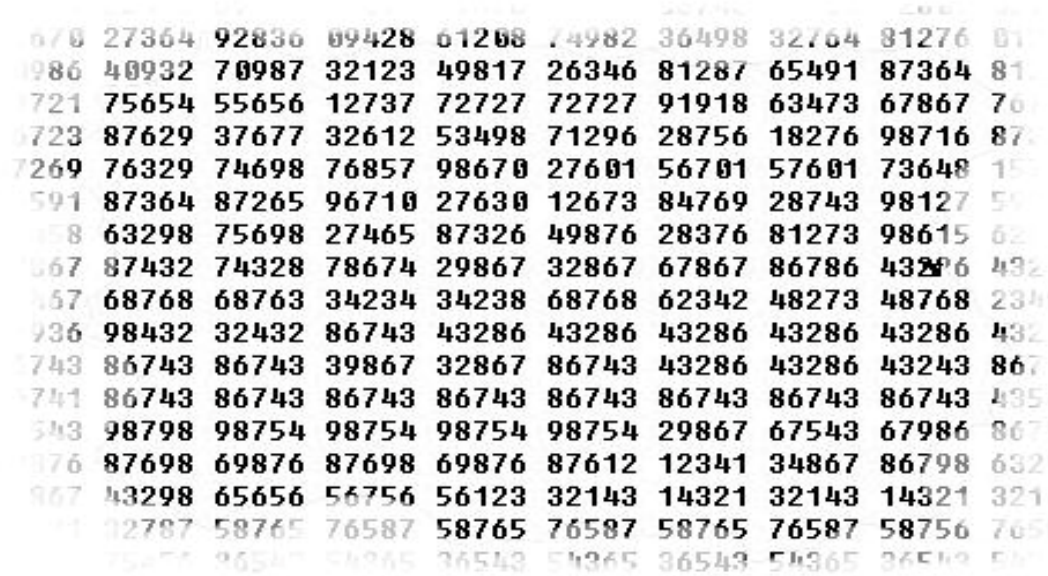


Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #167, August 2011

Editor: Ary Boender email: ary@luna.nl

Check for previous newsletters, info, sound samples and databases also:

NUMBERS & ODDITIES	**http://www.numbersoddities.nl**
	http://www.ary.luna.nl
SPY NUMBERS ONLINE DATABASE	**http://www.spynumbers.com/numbersDB**
UTILITY DXERS FORUM (UDXF)	**http://www.udxf.nl**

Welcome to the 167th edition of Numbers & Oddities. S28 had several very busy days with a number of the callsigns and Igor reported a morse sister of V30. Read the full report in the Morse section.

The Numbers & Oddities website got a facelift and I hope that you like it. I have added several profiles to the site and intend to add some more in the near future. Your comments are appreciated.

Thanks to everyone who sent me their logs, info, transcripts and recordings. A special thanks for to ATCManch, Spectre, Danix and Dauntless for their input.

VOICE STATIONS

E06

5731 kHz, 2130 UTC, 19-08

315 456 15
12345 67890 08642 13579 41962 50431 84263 19083 54712 70184
21543 56987 52431 84756 01925
456 15
00000

7981/6953 kHz, 0030/0130 UTC, 13-08

759 810 34
61752 73003 40029 83325 37274 02372 69788 67335 36407 08588
29307 85526 22456 74751 41962 69223 99186 30404 84054 17869
28541 83874 65268 95092 79709 11359 92824 43225 70477 07425
42764 33467 86802 26634
810 34
00000

5731 kHz, 2130 UTC, 05-08

315 456 15
12345 67890 08642 13579 41962 50431 84263 19083 54712 70184
21543 56987 52431 84756 01925
456 15
00000

7981/6953 kHz, 0030/0130 UTC, 27-08

759 648 32
79676 24725 80010 19473 21064 20837 55955 23688 02385 17633
35736 25730 48878 34556 57760 98564 05043 67407 42602 27951
89092 29399 42045 76394 06501 87626 65173 32362 89818 30884
61205 43188
648 32
00000

15890 kHz, 0600 UTC, 18-08

210 583 127
57830 25879 77588 99374 67511 35761 76429 49855 37275 46705
67723 57918 60181 31420 70060 04879 99246 04400 69595 46679
97624 50128 28849 37861 60662 94658 88257 20612 30448 90032
22820 43073 23218 27940 54586 89027 98134 74252 68314 32487
52962 03873 56878 58502 42496 21909 70754 64085 88636 70584
42157 24449 32851 21037 38757 68221 58474 02556 87429 37772
39742 56737 68523 02175 95032 15460 92090 44580 11438 47230
68124 14804 09321 27429 70875 22196 67399 69309 30836 41804
31082 75007 40751 73129 81691 70589 49710 47975 07683 37785
48479 79936 37659 39852 50118 49338 49653 60585 28732 66432
75269 42828 56789 22109 96280 76719 58124 63621 40999 33568
34774 40993 56332 36246 88361 04754 88286 08467 66838 34281
18503 22793 80096 20101 30828 02824 12299
583 127
00000

7981/6953 kHz, 0030/0130 UTC, 20-08

759 426 31
89481 58558 45627 84473 73494 98850 77743 45301 48792 97503
08135 79444 65949 17345 77156 47028 11105 61689 38535 34299
60523 45812 73624 30479 85974 81158 90415 11415 79067 00898
80731
426 31
00000

7981/6953 kHz, 0030/0130 UTC, 06-08

759 624 31
09704 05180 11332 08533 64669 10562 63968 65090 38054 49126
08247 10092 12631 27582 16953 78626 94682 06516 13892 69092
48052 39398 12677 55887 51340 27312 34135 95160 20432 00347
57001
624 31
00000

7981 kHz, 0030 UTC, 21-8. We received a report and recording from Dauntless.

"759" – Started at normal time, but broke up multiple times as transmitter was turned off. Went through two "759"s and cut off after "75". Resumed from 5 after 5 seconds, but only did one "759" before a short pause and transmitter was turned off again. After a gap of 10 seconds, E06 came back on the air and resumed the call up. On the final "759" before the message began, there was a momentary pause after "7"

as if even the automatic machine was unsure! It resumed the final one with "59" before going into the message proper. After the message, there was an audible bang/knock as if the machine was glad the message was over. After going off air, the station returned for three seconds with strong carrier, but transmitted no message. I have noticed this on most of the recent E06 messages, but find no explanation.

E07

E07 10753 kHz, 2010 UTC, 18-08

716 716 716 1
481 79 481 79
49214 89538 75213 74944 39873 90481 01189 12616 12181 13122
58339 59244 64373 49696 64361 36359 52692 70405 61193 44427
91624 63719 71400 26813 47946 41057 20967 26787 82188 69611
15572 84659 22347 63468 80936 00197 60190 33576 35320 65656
62066 36208 48532 92414 68144 11072 76127 03310 43994 89211
16853 14936 59624 16486 09940 77714 90735 25264 39140 53637
69034 02353 47049 00535 75849 56073 49958 71122 85814 75515
32945 76959 46162 94462 13278 69350 38450 15018 67463
000 000

E07 10752/9147/7637 kHz 2010/2030/2050 UTC, 11-08
E07 10752/9147/7637 kHz 2010/2030/2050 UTC, 18-08

716 1 481 79
49214 89538 75213 74944 39873 90481 01189 12116 12131 13122
58339 59244 64373 49696 64361 36359 52692 70405 61193 44427
91624 63719 71400 26813 47946 41056 20967 22787 82188 69611
15572 84759 22347 63468 80936 00197 60190 33576 35320 65656
27206 36208 48532 92414 68144 11072 76127 03310 43994 89211
16853 14936 59324 16486 09940 77714 90735 25264 39140 53637
90346 02353 47049 00535 78849 56073 49958 71122 85814 75515
32945 76959 46162 94462 13278 69350 32450 15018 67463
000 000

E07a 8173/7473 kHz, 2000/2020 UTC, 17-08

147 1 33329 689 63
62624 32783 21814 05484 49766 81685 59560 04038 21778 84999
86558 69389 24792 02472 60681 45784 48839 78826 30493 65129
76979 30969 82695 19909 33637 37388 21988 35072 39663 15345
86377 52213 30483 46032 81513 27898 83282 29929 88870 43233
55627 35326 62514 77206 59923 91256 87951 31318 57812 99082
47003 67416 55941 50057 82735 75538 41694 72585 60054 22444
92195 00000 28461
000 000

E07a 8173/7473kHz 2000/2020 UTC, 24-08

147 1 32027 576 55
94543 58925 57645 68624 96951 79160 54599 32493 74334 37820
97300 65576 46002 37200 48347 43680 36113 85847 13786 17743
02350 74253 49291 71867 45447 82032 49125 62524 20783 87728
60572 39247 09698 49204 62003 25088 85552 43770 39244 09506
83477 01173 17868 81869 24662 67836 63498 91105 54395 83168
09864 46908 59628 64597 70464
000 000

E07 14378/13458/10958 kHz 1900/1920/1940 UTC, 10-08

346 1 613 29
16664 39131 82734 94983 82066 84855 37771 59737 06364 98075
59870 26574 46653 11072 04626 82009 84434 39775 80654 61465
44272 96356 29414 90907 81782 68612 31683 11777 31930
000 000

E11

9610 kHz, 1045 UTC, 30-08.
E11a, Mode: USB, female vloice.

463/38
Attention
14146 74388 74311 66044 64948 94848 48538 60066 13903 49037
46165 64749 19346 78367 40345 05138 48148 34754 09168 63047
43830 44777 68111 34777 76463 44600 64607 30857 45439 55790
40694 91104 74345 76330 93371 53784 94188 53464
(Message repeated)
Out

13427 kHz, 0900 UTC, 31-08.
E11a, Mode: USB, female voice.

536/34
Attention
25638 21253 93969 62574 66718 30302 22879 60563 80970 92121
44514 09224 24907 58072 30107 23108 45061 43862 41914 88426
20096 78350 51111 46911 37105 77232 24460 96576 11308 99934
52099 868435 05494 48597
(Message repeated)
Out

G11

6986 kHz, 0940 UTC, 01-08

275/35
50330 68077 14378 06700 22328 73574 50782 91344 29071 69090
52339 04154 77243 52371 32127 47759 53780 46142 79499 68994
76179 93146 11262 57092 15060 52583 03185 32374 24520 17259
45627 23641 33166 92766 14399

6986 kHz, 0940 UTC, 04-08

275/35 Achtung
50330 68077 14378 06700 22328 73574 50782 91344 29071 69090
52339 04154 77243 52371 32127 47759 53780 46142 79499 68994
76179 93146 11262 57092 15060 52583 03185 32374 24520 17259
45627 23641 33166 92766 14399
Ende

3815 kHz, 2000 UTC, 19-08

265/38
04315 02778 82250 23223 34857 21383 99582 29043 64254 04483
11821 67250 26504 34586 35317 75127 40693 48384 99116 93114
73950 81157 19892 46531 33386 67189 66677 04487 71968 19900
06309 36233 12400 12757 15943 83596 60635 62809

5815 kHz, 1325 UTC, 12-08

298/36 Achtung
32424 46486 69913 92434 09600 20707 26650 55914 97221 11393
91582 47148 10886 91266 53445 39868 46172 26566 13375 07950
65992 13440 29105 64105 06902 80521 09767 58334 13216 22496
99420 87283 05824 20097 14286 74521
Ende

S06

S06s, 6125 kHz, 1240 UTC, 09-08

278 405 6
25229 35484 75082 254?7 68424 49706
405 6
00000

S11

S11a, 5815 kHz, 1020 UTC, 10-08

222/34
03190 29350 08390 44157 18530 43320 43333 98496 60098 93252
98433 63557 43144 77247 80486 63644 97649 99000 11582 92090
91221 91990 70649 49127 99939 88579 74460 67919 97382 60897
91702 91871 22944 19827

S11a, 4909 kHz, 1355 UTC, 14-08 (not sure of all numbers, especially some 4's and 5's)

09989 15192 16266 51901 37361 29591 01176 55910 40719 40046
45062 44146 60461 38569 37512 24862 13??1 87459 89325 02610
31012 81619 21671 60948 44957 4025? 15091 51450 41097 20169
40002 ?4782

S21

Only 3 reports of S21 this month. It looks like M45 has taken over from S21.

5373 S21 11-8-2011 1742 973 971 30 61941 45660....
5373 S21 11-8-2011 1742 973 971 30 61941 45660....
5373 S21 16-8-2011 1742 973 971 30 61941 45660 .... 82257 //4973

S28 - The Buzzer

UVB-76 / MDZhB (МДЖБ)

The "Buzzer"had a quiet month most of the time but also VERY busy on the 18th, 19th and 22nd with respectively 9, 7 and 10 messages. Recordings are available from the N&O website. Two new callsigns were copied: IA6N and OEUN. So far the following callsigns were received: UZB76, MDZhB, KZJT, LNR4, MBYShch, V6BY, IA6N, OEUN, 8ZhSM, 1SG5, 6E4N

18-08	0812	MDZhB 70 017 Dipomanija 88 90 79 04
	0835	MDZhB 73 596 Diplodok 08 53 27 7
	0836	MDZhB 33 562 Biplanovyj 95 82 02 38
	0906	MDZhB 70 831 Giper 99 22 22 91
	0937	MDZhB 71 286 Gipersten 51 60 65 09
	0938	MDZhB 11 982 Giperyadro 84 59 13 39
	1015	MDZhB 43 405 Lipak 65 15 65 95
	1105	MDZhB 95 441 Lipakon 13 37 54 72
	1109	MDZhB 85 611 Tsynkha 62 79 45 15
19-08	1151	MDZhB 79 833 Shinmilla 27 75 54 46
	1222	MDZhB 87 660 Sinkhrotron 66 53 03 21
	1305	MDZhB 09 975 Dinofek 29 40 75 51
	1308	MDZhB 76 441 Minonosnyj 99 48 00 37
	1444	MDZhB 25 268 Kinodialog 82 81 47 89
	1447	MDZhB 47 956 Shinnyj 40 24 26 89
	1539	IA6N 13 137 38 473 Vinkaton 43 65 32 76
22-08	0900	MDZhB 30 034 Tinkal 94 45 83 24
	0950	MDZhB 26 527 Ginecej 01 11 01 35
	1100	MDZhB 34 686 Dingi 74 80 92 88
	1110	MDZhB 78 770 Chinab 50 06 48 15 Mimetizm 17 97 40 75 Imejka 68 32 96 34
	1120	OEUN 67 234 10 324 Simvolika 06 50 32 02 Cimbidium 85 03 58 40 Gildin 52 14 46 54 Dildrin 37 46 77 11
	1136	IA6N 67 234 10 324 Simvolika 06 50 32 02 Cimbidium 85 03 58 40 Gildin 52 14 46 54 Dildrin 37 46 77 11 [False start during repeat: "Gild sboj sboj sboj"]
	1247	MDZhB 41 686 Tilda 33 94 62 91
	1322	MDZhB 90 043 Bilboke 68 38 31 43
	1352	MDZhB 19 757 Bilboks 86 38 52 67
	1357	MDZhB 66 026 Vilota 66 15 47 33 [False start: "66 sboj sboj sboj"]
24-8	0357	Female voice. KZJT MBYShch 8ZhSM 1SG5 6E4N 70617 99919 63819 24832 05598 Splavshchica 1348 3324
28-08	1150	Male voice. MDZhB 51 669 Viking 40 16 28 44 Likvemin 94 22 35 14
	1154	Male voice. MDZhB 28 851 Mikaroza 84 23 43 26

29-08	**0337**	**Male voice. MDZhB 00 712 Upriazhnoj 20 60 06 27**
	0357	**Male voice. MDZhB 72 933 Shprot 20 84 25 86**
	0405	**Male voice. MDZhB 82 233 Springbok 84 06 97 23**
	1350	**Female voice. MDZhB 43 550 Apofegmaty 69 26 50 78**
30-08	**0456**	**Male voice. MDZhB 13 200 Eponim 78 37 70 02**

4625 kHz, 07-08, 0008 UTC: Buzzer in slow motion. Recording on the N&O website
9250 kHz, 04-08, 0930 UTC: Buzzer harmonics

Although less frequent than last year, the buzzer still can be heard on a number of parasitic or spurious frequencies. But are they really parasitic frequencies or is it a second transmitter? We still are not sure.

On August 18th at 0600 UTC the following spurious emissions were audible:
- upper on 4665.23, 4705.46, 4745.69, 4785.92, 4826.15 kHz
- lower on 4584.77, 4544.54 kHz

On August 23rd the buzzer was heard on the following frequencies. All parasitic frequencies are shifting slowely.

1200 UTC: lower emission on 4584.28
upper emission on 4665.72
(difference of both emissions from 462.00 kHz: +/- 40.72 kHz)
1300 UTC: lower emission on 4584.32
upper emission on 4665.68
(difference of both emissions from from 4625.00 kHz: +/- 40.68 kHz)
1400 UTC: lower emission on 4584.42
upper emission on 4665.58
(differenece of both emissions from 4625.00 kHz: +/- 40.58 kHz)
1500 UTC: lower emission on 4584.50
upper emission on 4665.50
(difference of both emissions from 4625.00 kHz: +/- 40.50 kHz)

Thanks to Jan Michalski and Rimantas Pleikys for this information.

S30 – The Pip

Active on its usual day (5448 kHz) and night (3756 kHz) frequencies throughout the month.

S32 – Squeaky Wheel

Active on its usual day (5473.9 kHz) and night (3828.9 kHz) frequencies throughout the month.

V07

Token sent us a note about V07. He writes "It looks like after 3+ months of operation on the 13582/12182/11282 combination frequencies in the 0700 hour, V07 has changed both frequencies and times.

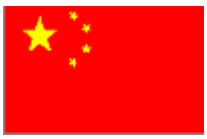
The new times and frequencies are now:
14823 kHz, 0500 UTC 13423 kHz, 0520 UTC 11523 kHz, 0540 UTC

V13 – New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái

Frequency since 1 April: 9725 kHz
Schedules at 0500, 0600, 1200, 1300 UTC.

VC01 – Chinese Robot



Chinese Air Defense network

Modes: USB and LSB .

The first UDXF log of the Chinese Robot was on 27-3-2000. We found the station since that date on the following frequencies: 3036, 3837, 4075, 4410, 4422, 4427, 4480, 4530, 5288, 5303, 5700, 5832, 6479, 6771, 6840, 6855, 6860, 6960, 7090, 7608, 7684, 7726, 7744, 7756, 7770, 7864, 7865, 7880, 7924, 8000, 8025, 9000, 9169, 9192, 9290, 9340, 10508 kHz.

August logs:

Frequency	UTC	Date	Mode	Frequency	UTC	Date	Mode
9000	1148	18-08	USB	5832	1330	22-08	LSB
9000	1341	18-08	USB	7865	1330	22-08	USB
7864	0655	20-08	LSB	7865	0300	22-08	USB
4075	1340	20-08	USB	7865	0530	22-08	USB
5832	1340	20-08	LSB	5832	1742	26-08	LSB
4075	2025	20-08	USB	7865	1742	26-08	USB
5832	2139	20-08	LSB	4075	2119	31-08	USB
4075	1953	21-08	USB	5832	2119	31-08	LSB

Token comments the following with regards to his logs:
"As I have noticed a few times before, it appears 5832 LSB had two stations on it. The stations handed off duties every 5 to 9 minutes. That is to say station "A" would send for 5 to 9 minutes and then, fairly seamlessly, station "B" would send for 5 to 9 minutes. Particularly on 5832 this was noticeable because the two transmitters were very slightly off freq from each other, just a few 10's of Hz, but enough to make the voice pitch change slightly on the station change. Also, there was a slight signal level change that went with the voice pitch change. 4075 USB was weak enough that I was never quiet sure if that freq was also two stations, but it did seem to be doing the same thing, I can't call it 100% sure. The two outlets (4075 USB and 5832 LSB) did not appear to have the same data on them."

VTN / V30

Just like last month the frequency was silent throughout August. Igor copied a Morse station that might be connected to V30. See the Morse section for the details.

MORSE STATIONS

MX - Russian Military beacons

The following beacons have been reported on the various cluster frequencies:

European Cluster Beacons: L, D, P, S, C, A **Note: "L" on 4091.9 transmitted in BEE**
Asian Cluster Beacons: F, K, M

Other beacons: R – 4325.9 kHz
V – 4150 kHz

M01

M01 4905 kHz, 2000 UTC, 02-08

025 505 30 =
18444 15898 80361 63005 79163 32069 52763 67856 75331 83272
94806 82598 16929 55582 95841 02900 10079 16306 84161 07896
97017 77875 64618 63234 87505 44613 36435 68941 10941 57168
= 505 30
000

M01b 5340 kHz, 2010 UTC, 05-08

467 784 30 =
96469 59730 16669 72683 03195 46992 88400 13377 40668 14316
95218 42904 83944 44608 81401 99433 75595 64000 51452 15012
76337 62624 77213 27132 70527 22786 26022 76832 13715 15833
= 784 30
000

M01 4905 kHz, 2000 UTC, 09-08 *** = Not Heard**

025 315 30 =
49753 11595 06534 02156 28777 56924 68170 04061 49129 75428
60721 67125 84324 25843 19839 00508 48130 51297 56349 71482
17031 20298 40915 07059 14989 35419 15361 93544 55127 054**
= 315 30
000

M01b 5340 kHz, 2010 UTC, 12-08

467 510 30 =
60121 11369 94111 53268 63312 82815 14558 31998 98327 24727
82785 28191 82023 10506 61089 08555 87489 00869 96124 49479
65728 36522 31847 59259 25310 91866 23421 01069 26086 46894
= 510 30
000

M01 4905 kHz, 2000 UTC, 04-08

025 645 30 =
67430 45753 55597 98308 06645 67336 38034 16533 17086 40956
60586 75953 91032 64764 46528 93832 35578 77672 45252 02620
73545 53754 66961 59759 82046 77714 10501 37464 83344 86437
= 645 30
000

M01 5280 kHz, 1800 UTC, 09-08

025 217 30 =
82309 41342 33858 06641 28306 76528 46702 95858 80711 27451
86088 13598 55896 83175 32632 58271 59243 70117 82419 42837
45922 24423 56737 91055 10569 91442 89671 25739 70052 61358
= 217 30
000

M01 4905 kHz, 2000UTC, 11-08

025 713 30 =
89264 48590 44940 35992 09899 40417 05433 30920 55079 46929
17284 82068 74112 09621 07150 72706 71067 57916 35809 61278
13319 20725 65313 28945 97699 40127 64468 87436 14962 26957
= 713 30
000

M01 4905 kHz, 2000 UTC, 16-08

025 890 30 =
45631 50840 34690 59676 88766 61084 47951 29573 71772 51313
34755 49217 75579 73582 69432 61518 24911 72576 59163 99696
08022 21435 20345 62410 01927 87878 06640 52982 16234 07099
= 890 30
000

M01b 5475 kHz, 1915 UTC, 22-08

858 510 30 =
60121 11369 94111 53268 63312 82815 14558 31998 98327 24727
82785 28191 82023 10506 61079 08555 87489 00869 96124 49479
65727 36522 31847 59259 25310 91866 23421 01069 26086 46894
= 510 30
000

M01b 5340 kHz, 2010 UTC, 26-08

467 510 30 =
60121 11369 94111 53268 63312 82815 14558 31998 98327 24727
82785 28191 82023 10506 61079 08555 87489 00869 96124 49479
65727 36522 31847 59259 25310 91866 23421 01069 26086 46894
= 510 30
000

M01 4905 kHz, 2000 UTC, 18-08 (sent 29 groups instead of 30)

025 542 30 =
80290 87615 92448 57099 78830 87318 35319 20514 61779 37565
23942 69138 37586 10763 74773 86762 52190 73133 22244 48706
71740 34920 16050 42373 57926 58153 92454 41084 81791
= 542 30
000

M03

7837 kHz, 1115 UTC, 04-08

656/31 = =
20591 79551 31929 54268 37418 89936 25705 05876 78624 67011
41742 99117 36754 53490 01643 24589 64140 32699 77631 55107
64128 56987 03973 90330 02366 53203 71037 86028 86489 64737
43062 = =
0 0 0

6524 kHz, 1535 UTC, 20-08

795/36 = =
05963 34817 75137 01766 19983 19367 48083 46346 98815 15700
08347 14147 68540 75585 83931 72296 15646 81502 58924 67172
32733 06938 18681 13541 96487 174*7 44135 31904 02059 07565
14586 64450 66325 86961 04342 30634 = =
0 0 0

M12

M12 7931/6904 kHz, 1920/1940 UTC, 01-08:

257 1 3038 60
77847 51864 70907 41745 82007 06360 90395 41327 84646 47639
20044 24963 46872 59792 58479 13153 62824 10932 91057 05152
61195 50592 75939 84957 37467 24098 73061 08886 84702 48702
37450 42064 52812 25529 32226 53876 68211 65353 40006 57421
81147 03369 52319 46203 42839 68956 48485 23102 64009 37491
24700 94142 25574 05695 61162 92582 01743 30498 65732 71255
000 000

M21 Russian Air Defence Forces
Voyska Protivo Vozdushnoy Oborony
Войска ПВО Voyska PVO

Russian Air Defence. Only two logs this month.

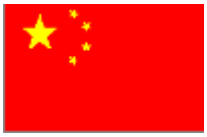
Id "8": 6421.5 kHz
Id "9": 9222 kHz

M22 – 4XZ Israeli Navy

6379 kHz, 0122 UTC, 27-08. Logged by Dauntless.

= = TR 745 DC V TB4X 923O E72 UZ0E GR 06 = = AR AR VVV T E 4XZ 4XZ = = VVV DE 4XZ 4XZ = = TR AH NW QTK 1 NR 645 = = NR 645 DC U QD 5L 233072 CG SK GR 11 = = CKK KC WDLBL DCSHA DFZYP SZSTU YAEGR HOWEE GYLGL ZGCBO YDEMES WDEEBL = = NR 64II DC V QD6L 323072 CH5K GR 11 = = CKCKC WDLBL DNESHA DFZT AP SZSTU YAEGR HOREE GYLGL ZGCD O YDJES WDLBL = = ER 645 DD V QD6L UA23072 CG5K GR 11 = = AR AR VVV DE 4XG 4VZ = = 4VV DE 4XZ 4DEZ = = TR AR NM QTC 1 NR 545 = = NR 5EU5 DE V KT4X 803 *MI2 IY6G GR 24 = BE IGIGI WGFUU TZA MU IKSED HYHFZ IWUJO UFAQK SYWZG LDJKE KSLNO FQWRA YEWMMY ME SNR FNWGG TDFDM ……

M89 – Chinese military



VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k	**4860, 6840, 10640 kHz**
V MB3R MB3R MB3R DE YA6X YA6X	**Not heard**
V QPZM QPZM QPZM DE WOXN WOXN	**4523, 7568 kHz. Not heard since 8 August**
V JA3L JA3L JA3L DE UN2T UN2T	**Not heard. Replaced by DRV8???**
V 7NPE 7NPE 7NPE DE QV5B QV5B	**4225, 5500 kHz**
V 7NPE 7NPE 7NPE DE CI4W CI4W	**Not heard**
V DKG6 DKG6 DKG6 DE 3A7D 3A7D	**3642, 7602, 10180, 10643 kHz**
V GKVZ GKVZ GKVZ DE Q7NW Q7NW	**3297 kHz**
V 9VUP 9VUP 9VUP DE JR5U JR5U	**Not heard**
V RXP7 RXP7 RXP7 DE CZT2 CZT2	**8024 kHz**
V H2FL H2FL H2FL DE DRV8 DRV8	**3797, 6773 kHz**
V WITN WITN WITNDE GNXG GNXG	**10779 kHz**
V K=D8WT K=D8WT K=D8WT de O9VE O9VE	**16720 kHz**

New frequencies and callsigns were found by Eddy Waters, JPL, and Wolfgang. Thanks for your reports gentlemen! The first one is really peculiar.

16720 kHz, 0845 UTC, 21-08: V K=D8WT K=D8WT K=D8WT de O9VE O9VE
10779 kHz, 1031 UTC, 26-08: V WITN WITN WITNDE GNXG GNXG

MV30 - V30 Morse sister?

Igor surprised us with several interesting logs. He copied a station that transmits daily at 1500 UTC on 10375 kHz in Morse. The messages are partly in Vietnamese. It could be a Morse sister of V30. The behavior is very similar to that of V30. Not only the type of message is similar but it also repeats its message twice, just like V30 did.

Igor supplied us with a recording and transcript of this message and several others that might be training or test messages. It is probably the same station that sends these test messages but we are still looking for more evidence. The test transmissions pop up on various times and frequencies. It appears that this is the same unid station that Eddy Waters copied in January. I ran the supposed test texts through Google Translate and added them at the end of this article.

I have sent the messages to T! who monitored V30 on a daily bases. He started to record the 1500 UTC transmissions and also sent us his comments and transcripts. I'd like to thank Igor, T! and Eddy for their help and input. You can find Eddy's and Igor's recordings on the N&O website.

When we compare V30 and the Morse station we see the following:

V30	Morse station	
so dien 64	so dien 60 (or SD)	So dien = the code key
tin nhan	dk: tk	Tin nhan = message (in Morse "tk"??)
so nhom 30	so nhom 42	So Nhom = the group count
Message repeated twice	Message repeated twice	

Logs so far:

19150 kHz, 26-06-2009, 0306 UTC	10375 kHz, 25-08-2011, 1500 UTC
17870 kHz, 01-07-2009, 0316 UTC	10375 kHz, 26-08-2011, 1500 UTC
9292 kHz, 22-12-2010, 0531 UTC	10375 kHz, 27-08-2011, 1500 UTC
10205 kHz, 04-01-2011, 1245 UTC	10375 kHz, 28-08-2011, 1500 UTC
9698 kHz, 27-01-2011, 0620 UTC	10375 kHz, 30-08-2011, 1500 UTC
10375 kHz, 01-07-2011, 1500 UTC	10375 kHz, 31-08-2011, 1500 UTC

10375 kHz, 01-07-2011, 1500 UTC. Mode: Morse

so dien: 60 so dien: 60 so dien: 60
dk: tk tk tk
so nhom: 42 so nhom: 42 so nhom: 42
aaaaaaaaaaaaaaaaaaaaaaaaaa
12933 83561 04818 44986 60987 54343 26122 69200 41463 23216
30870 40706 72488 29815 20493 76199 18920 82916 21025 66430
12646 60316 35509 75753 79273 66247 48549 62706 30200 64435
61403 70036 31790 74025 45857 95138 45839 37193 28131 49668
76326 23021
kkkkkkkkkkkkkkkkkkkkkkkkkk
(block repeated 2 times after 1-2 minutes pauses)

10375 kHz, 26-08-2011, 1516 UTC. Mode: Morse
The errors in the message are what were sent (example, the two question marks in group 2 were actually each sent as a question mark each time and the GG in group 18 was sent as G G run together).

AAAAAAAAAAAAAAA
SD 61 SD 61 SD 61
TK TK TK
SN 68 SN 68 SN 68
01349 ?86?2 83023 54593 56388 70628 01540 01007 86550 63662
04306 66852 73054 92304 77918 32101 70134 240GG0 06841 19598
23918 24299 67792 22449 32321 73442 96924 58311 32789 15911
75587 37122 11650 17642 08853 03536 28475 87871 59818 61337
07878 48607 37792 06672 04710 12932 26694 59010 43100 13383
30845 03991 67261 72332 07610 75718 99979 00737 87251 53819
49441 67009 33507 46517 77738 47478 77978 34501
KKKKKKKKKKKKKKKKKKKKKKKKKKKKK

On the 30th and 31st the message was a new 37 code group message, and the "SD" had changed to 62, instead of the previously used 61.

The message body starting August 30, 2011:

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA
SD 62 SD 62 SD 62
TK TK TK
SN 37 SN 37 SN 37
63105 36002 84375 97526 24845 65787 48454 59084 49249 29744
40416 25322 55781 87075 25418 07129 80922 21561 97521 42194
20518 16561 33298 38215 37968 84497 64675 74522 03668 51540
10998 85261 23007 89026 54534 26627 45386
KKKKKKKKKKKKKKKKKKKKKKKKKKKKK

Both the "A" string at the beginning and the "K" string at the end have 29 characters. In both the 68 group message and the 37 group message have a significant pause after the first 5 code groups. There are pauses each 5 groups but every other pause is longer than the others.

9292 kHz, 22-12-2010, 0531 UTC. Mode: Morse

aaaaaaaaaaaaaaaaaaa
tren thi truong hien nay co mot so san pham co tac dung lam giam tiet
mo hoi nhieu, noi bat trong so do co san pham voi nguon goc chiet
suat tu thien nhien nhu cay co! cac loai la va cac chat hoan toan an toan va
khong anh huong cung nhu co tac dung phu voi co the
con nguoi! san pham duoc bao che duoi dang vien nen an toan va de su dung
cac thuc pham chuc nang co nhiem vu giu nuoc trong te bao! lam giam hoat
dong qua muc cua than kinh giao cam! do vay lam giam su tiet
mo hoi trong long ban tay! ban chan va co the toan than,
kkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk

aaaaaaaaaaaaaaaaaaaaaaaaaaaaa
tren thi truong hien nay co mot so san pham co tac dung lam giam tiet
mo hoi nhieu, noi bat trong so do co san pham voi nguon goc chiet
suat tu thien nhien nhu cay co! cac loai la va cac chat hoan toan an toan va
khong anh huong cung nhu co tac dung phu voi co the
con nguoi! san pham duoc bao che duoi dang vien nen an toan va de su dung
cac thuc pham chuc nang co nhiem vu giu nuoc trong te bao! lam giam hoat

dong qua muc cua than kinh giao cam! do vay lam giam su tiet
mo hoi trong long ban tay! ban chan va co the toan than,
kkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk

9698 kHz, 27-01-2011, 0620 UTC. Mode: Morse

... lam giam tiet
mo hoi nhieu. noi bat trong so do co san pham voi nguon goc chiet
suat tu thien nhien nhu cay co, cac loai la va cac chat hoan toan an toan va
khong anh huong cung nhu co tac dung phu voi co the
con nguoi, san pham duoc bao che duoi dang vien nen an toan va de su dung
cac thuc pham chuc nang co nhiem vu giu nuoc trong te bao, lam giam
hoat dong qua muc cua than kinh giao cam, do vay lam giam su tiet
mo hoi trong long ban tay, ban chan va co the toan than.
kkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk

17870 kHz, 01-07-2009, 0316 UTC. Mode: Morse

aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
cach day khong lau! gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon, cach day khong lau!
gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon,
cach day khong lau! gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon, cach day khong lau!
gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon,
kkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk
kkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk

19150 kHz, 26-06-2009, 0306 UTC. Mode: Morse

ay khong lau! gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon, cach day khong lau!
gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon, cach day khong lau!
gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email

voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon, cach day khong lau!
gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon,
kkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk
kkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk

aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
cach day khong lau! gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon, cach day khong lau!
gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon, cach day khong lau!
gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon, cach day khong lau!
gmail da them chuc nang chen hinh
bieu cam vao cua so soan email! giup ban gui email
voi nhieu sac thai tinh cam khac nhau, gio day! gmail
lai bo sung them nhieu hinh bieu cam de ban tuy chon,
kkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk
kkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk

Google Translate results of several texts. Not perfect but it gives a clue of what is transmitted. All texts are similar.

"Prominent among the available products with extracts derived
natural capacity of plants, mammals and the chat is completely safe and
khong impact and side effects have the elephant
the people, products Formulated tablet form safe and easy to use
functional foods task of keeping water in the cell, reducing
overactive sympathetic nervous crab, by borrowing reduces the secretion
sweating in the palms, feet and have the whole body."

"Not so long ago! gmail chen hinh da add functionality
expression on the email compose window! help you to send email
with many different feelings, now! gmail
adding hybrid Smilies de you the option, not long ago!
gmail chen hinh da add functionality
expression on the email compose window! help you to send email
with many different feelings, now! gmail"

VARIOUS MODES

M42 & X06 - Russian Government / Intelligence

9057	0329	29-07	Russian Gov/Intel. 103x5FGs with "=50=" separator, end "- 0332 K" into CW/A1A OP-chat "cfm QRU? k", "SLV k", "NIL k sk sk". Mode: F1B-FSK2/50/500
9130	0950	29-07	Russian Gov/Intel. Reversals spurious +/- 23.5 kHz on 9106.5 & 9153.5 kHz. Mode: FSK 50/500
14358	1301	29-07	Russian Gov/Intel. "QKBK QKTSI WKQ (07 9 MMM XV XV XVVVVV XVZ NI ZQI THEN RZQC" many times. Mode: FSK 50/500
14377	0828	04-08	Mazielka. Sequence: 432516
16223	0739	10-08	Mazielka. Sequence: 164532
12192	2030	10-08	Mazielka. Two tones
13401	0848	16-08	Mazielka. Sequence: Scale 154263. In progress
12215	1636	16-08	Mazielka. Sequence: 361245
8100	1030	17-08	Mazielka. Sequence: 123456
10595	0656	17-08	RKD48: Russian Gov/Intel,Moscow. QSX 10475 kHz. Mode: F1B 100/500
10475	0658	17-08	RQS: Russian Gov/Intel, Samara. QSX 10595 kHz. Mode: F1B 100/500
14377	0736	17-08	Mazielka. Sequence: 432516
13401	0848	17-08	Mazielka. Sequence: 154263
8100	1030	17-08	Mazielka. Sequence: 123456
16320	0632	19-08	Mazielka. Sequence: 241563
13510	0650	20-08	Mazielka. Sequence: 256134
11078	2050	22-08	Russian Diplo. Message on link 10042. Header starts with: 11166 10042. Mode: CROWD-36
10731	2054	22-08	Mazielka
11411	2101	22-08	Mazielka. QSY from 10731 kHz 10 mins earlier
12195	2105	22-08	Mazielka. Squence: 314265
10199.5	1312	29-08	Russian Gov. Mode: CROWD-36

XP family

XPA	8034 kHz	0440	16/08	828 1 00862 00485 13399 etc.
XPA	9234 kHz	0500	16/08	828 1 00862 00485 13399 etc.
XPA	10834 kHz	0520	16/08	828 1 00862 00485 13399 etc.
XPA	12187 kHz	1730	16/08	173 1 00762 00133 63564 etc.
XPA	10787 kHz	1750	16/08	173 1 00762 00133 63564 etc.
XPA	9387 kHz	1810	16/08	173 1 00762 00133 63564 etc.

Danix sent me the transcript of the above XPA transmissions. Note that there are a few decoder errors in the files.

16 August, 0440/0500/0520 UTC:

828 828 828 1 828 828 828 1 828 828 828 1

00862 00485 13399 91502 94233 51342 14720 56862 66000 49357
25296 45671 81053 66217 48672 08355 75302 36863 05538 24406
83699 73698 52625 04442 91066 06241 34300 23951 12595 70511
89334 87744 77417 90568 90701 79592 43940 42194 54406 61663

98672 73351 45579 51342 34059 09906 46591 57443 74871 07419
33542 71288 82851 74181 24773 84766 60532 93362 65092 25786
88261 85245 96050 91442 86954 35592 32320 51506 34407 60505
11968 42576 89963 28889 89465 52863 57830 2202 07376 26661
93472 83948 92905 66324 62907 61499 15659 01287 11670 58135
52485 36639 74165 46392 95220 25315 67561 02148 28613 27138
98721 10021 20451 19931 25425 36222 47337 77282 80488 95440
60775 45081 50928 16200 18459 91511 54801 76133 43170 67115
63767 20269 13641 94996 27460 07248 64244 80937 53566 66630
83355 35923 87848 91806 08569 13477 53174 53417 69125 53936
87847 33223 89318 89845 74652 59644 65186 76897 71692 39357
05701 06539 07841 18764 92821 29558 60436 23532 65023 90874
64158 57079 00480 83851 64793 19347 16923 36460 81237 11159
18129 58504 50558 26014 10158 42217 10821 71310 99148 03477
03697 18191 69985 33740 01342 51378 94130 83163 90656 76870
53135 80246 67882 43970 95775 77197 52648 16521 63969 54805
56593 80702 33672 49392 21439 32088 73206 20339 69553 44271
89904 61929 46343 76013 51386 62794 55714 85495 81410 91333
16141 38239 99777 13499 42092 5645 66893 24471 16036 19758
45769 77910 49746 61982 07208 23850 0000 47115 34016 48950
40024 48990 24671 44277 53073 04508 23063 94889 04559 46627
87757 69046 99321 07925 40781 72708 97577 10215 62118 16239
78334 43988 11032 73259 95237 56510 76856 90561 83766 97843
31986 02687 95989 03579 78715 79835 40565 29558 37150 78283
06946 82593 11226 65908 54241 00695 46026 75021 39081 10926
17239 78154 65626 81720 50699 43501 00530 30882 11490 01019
55393 54831 80993 67381 97312 56794 84605 54598 58551 99011
15500 12418 02551 61462 73456 39826 24754 44908 30286 18369
67393 83143 61330 57108 02436 35342 82236 68730 92381 58152
08950 32208 57315 40432 12282 45651 34019 87326 48570 95771
62310 56918 80149 26090 05048 84447 28732 13681 09645 35013
12160 78646 66950 83406 91393 55303 30568 84301 11644 55555
37456 89735 59951 59410 16576 48972 56089 33137 59476 55266
99835 2770 12215 92617 71219 72549 69128 35195 37149 26914
73376 30909 48983 47654 92452 77535 04596 41207 38577 18442
99395 03635 69664 41790 08194 77316 49014 04818 85057 40266
10486 94196 41359 12603 26367 43885 33998 86504 37879 61254
06911 27766 16741 96815 33417 40703 07449 83945 83718 68435
65041 11065 85077 48786 18776 23784 77282 14843 95182 18855
66625 40905 0000 48923 00332 82441 47498 37442 59924 75883
17016 18061 71343 29887 55269 28229 94389 08137 45898 97146
70887 40846 82513 80501 08963 52261 12422 45507 77465 13765
11059 69842 83141 21203 66043 88758 07060 35804 24402 94587
85878 18324 14724 85997 15635 17990 08611 80545 27170 71407
05226 80382 34726 24463 18719 89138 36057 55336 +++++

16 August, 1730/1750/1810 UTC:

173 173 173 1 173 173 173 1 173 173 173 1

00762 00133 63564 80923 23885 61385 48524 56435 01658 90054
71938 55570 56402 99662 24435 39100 28417 60277 86134 99166
51439 00332 38326 61911 55398 61421 37741 08822 14680 76022
92128 45464 71393 84506 88780 72700 72590 77795 49924 27156
43453 46517 42024 94428 99793 63767 39123 82676 69345 87543
21230 61816 26792 71764 57958 49426 41278 38531 82499 32022
44770 15154 81887 07406 14154 66308 37941 12720 71859 28683
06471 86644 36182 70292 86746 01384 95306 86753 05464 06024
55130 87809 26347 65468 17602 36144 20060 68607 99768 31565
61491 61200 47587 59375 78001 71038 11486 27935 04711 24557
31876 70884 63733 10037 19616 44767 89810 38237 33225 97699
74837 86660 85954 15014 32919 69782 45568 19548 53210 76635
52927 26825 66874 72578 12279 05232 56365 19255 93059 38584
18043 14549 32821 87261 52332 (last group is missing)

Not reported very often these days but luckily Peter found it again. 8176.3 kHz, 2048 UTC, 13-08

MILITARY STATIONS

M32 - Russian/CIS/Ukrainian Military SSB & CW Stations

Various dates and times.

3951.0	**Russian Mil: VUKE wkg 2QKZ "VUKE 1236 36 28 0225 136 = ZVC FM 152 888 FOR 616 290 ZTZ = 44972 12662 ... 38411 28031 rpt al QLN k"**
4118.0	**Russian Navy: RJC23 clg RJD69 many times with no answer "rjd69 de rjc23 rjc23 qsa?k"**
4419.0	**Russian Mil: "3gvt de hvnk qtc k"; "22t 2 t2 t312 22t=z u p 5 4 9 =ppppp"**
4627.0	**Russian Mil: "IDJO IDJO IDJO DE E10R E1OR K QSA VA"**
6983.0	**Russian Mil: "= 991= AAAAA DDDDD CONIZ AU_ MN GOUZA USNOR PKOQX BNOUL FNNTT' CETPN LÜNNP AKOLX"**
9121.0	**CIS Mil: "DOBV DE KRUG QSY 88T95"**
9373.0	**Russian Navy Kaliningrad. "RJL99 de RMP qyt4 k - ok rk"**
10530.0	**CIS Mil: "QFBS DE J2PM"**
10535.0	**Russian Navy: RDL**
11000.0	**Russian Navy: RIW msg to RGR70**
12227.0	**CIS Mil: "ORKI DE 5IOU QTC"**
12464.0	**Russian warship RJP98**
12753.0	**Russian warship RBEG wkg RCV: "NTCYP JLTAZ SLVÄY IJQCX JMÄSP RPASL CNBHT YZÖTO LQZOV BBMMJ PADKH ÖJJJY JJVYY DMCWH DNJÜT VAIUJ ÄRÄYE = AR RBEG K"**
13479.0	**Russian Mil: "XXX XXX REA4 REA4 56056 JNGAMON 9537 ...."**
14384.0	**Russian Mil: "IC9X QTC IC9X 2T8 31 17 1247 2T8 =584=" into 5F message**

14508.0 **Russain Mil: “qrj 2 zcx zhe zpz k - qrj 3 k - ok qjb3 k”**

14556.0 **Russian Navy: “riw k 0955z qrz ? de RIW k - RHC93 de RIW qsa 2 k”**

15812.0 **Russian Navy: “rit qru k”**

16228.0 **Russian Mil: “xxx xxx lr43 lr43 00000 teh prowerka 111= 1 2222 tehnichiska=E4 rowerka 999 k 11”**

UTILITY ROUND-UP

Unid station

The unid Russian/CIS net popped up again on a new frequency.
It transmits A1A control strings "VVV VV VVV 3k"

Logged so far on:
11082 kHz, 1914 UTC, 14-05
11082 kHz, 1032 UTC, 06-06
10436 kHz, 0341 UTC, 08-08

Polish Military

4786 kHz USB, 0300 UTC, 07-08-2011. Copied by Jan Feenstra. Thanks to Danix for the translation. Check the recording on the N&O website.

I am 97, I am 97, I am 97. [tones]
Powtórz. (Repeat)
(unreadable)
Rozlew... Rozlewnia-54 odebrano. [tones] (Bott... Bottling-54 received.) (They use various alphabets for the callsigns)
??-50 odbiór. (...-50 reception.)
Odebrano 50, odebrano. (Received 50, received.)

7833 kHz, 0558 UTC, 19-0-2011. Polish military: 2WKT wkg with 2ZAZ. Mode: USB

5417 kHz. Polish military in USB.

African logs

Hans-Friedrich reports Namibian truck traffic in English on 6790 USB and vernacular talks on 6666 USB and 6590 USB.

Thanks for that. We don’t see much logs from this part of the world.

Libya: Operation "Unified Protector"

The following Psy-Ops transmissions to Libya were reported.

Frequency	Date	UTC	Mode	Remarks
10125	31-07	1215	USB	
10125	07-08	1107	USB	
125 MHz	09-08	1300	AM	Luca, IZ0FYL via Anrea Borgnino
10404	13-08	1212	USB	
10404	14-08	1303	USB	
10125	19-08	1450	USB	
10118.7	19-08	1450	USB	First time for me listening the command solo active on 2 HF frequency, maybe a second plane
10404	20-08	1258	USB	Still active at 1500 UTC
6884	23-08	1237	USB	

Intelligence profile:

Bahrain

BACKGROUND

In 1783, the al-Khalifa family captured Bahrain from the Persians. In order to secure these holdings, it entered into a series of treaties with the UK during the 19th century that made Bahrain a British protectorate. The archipelago attained its independence in 1971. Bahrain's small size and central location among Persian Gulf countries require it to play a delicate balancing act in foreign affairs among its larger neighbors. Facing declining oil reserves, Bahrain has turned to petroleum processing and refining and has transformed itself into an international banking center. King HAMAD bin Isa al-Khalifa, after coming to power in 1999, pushed economic and political reforms to improve relations with the Shia community. Shia political societies participated in 2006 parliamentary and municipal elections. Al Wifaq, the largest Shia political society, won the largest number of seats in the elected chamber of the legislature. However, Shia discontent has resurfaced in recent years with street demonstrations and occasional low-level violence.

GENERAL

Official name:	**Mamlakat al Bahrayn (Kingdom of Bahrain)**
Short name:	**Al Bahrayn (Bahrain)**
Former name:	**Dilmun**
Capital:	**Manama**
5 Governorates:	**Asamah, Janubiyah, Muharraq, Shamaliyah, Wasat**

MILITARY BRANCHES

Ground Force (includes Air Defense), Naval Force, Air Force, National Guard

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SECURITY & INTELLIGENCE

- **Security and Intelligence Services (SIS)**
- **Public Security Force / U-Group**
- **Ministry of Interior**
- **National Police Force**
- **Directory of Special Security Forces**

- Security and Intelligence Services (SIS)
SIS is responsible for internal security and intelligence collection on threats to Bahrain.

- Public Security Force
The Bahrain State Police was first established in 1962. At independence from Britain in 1971, it was renamed Bahrain Public Security Force. The U-Group of the Public Security Force has provided counter-terrorist duties for Bahrain's government since 1982. The U-Group is based on Muharraq Island and is under the control of the SIS.

- Directory of Special Security Forces
The Directory of Special Security Forces is responsible for internal security and combating disturbances. It also protects Bahrain's leaders and government buildings. It's director reports to the Ministry of Interior. The Directory is sub-divided in 6 companies: Headquarters Company, Support Company, Counter-terrorist Company, Special Forces Company, and 2 Ranger Companies.

- National Guard
Supports the Defense Forces and SIS.

SOURCES / RELATED WEBSITES

CIA World Factbook
http://www.interior.gov.bh/eng/index.asp
http://www.state.gov

LOGS SECTION

frequency	enigma	date	UTC	day	remarks	mode	contributor
125 MHz	Psy	9-8-2011	1300		Psy-Ops emission to Libya in Arabic and English	AM	(IZ0FYL)
3297	M89	21-8-2011	1956		V GKVZ GKVZ GKVZ DE Q7NW Q7NW	CW	(AB-HK)
3297	M89	1-8-2011	1638		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	3-8-2011	2126		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	8-8-2011	1931		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	10-8-2011	1843		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	11-8-2011	1336		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	11-8-2011	2111		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	14-8-2011	1445		V GKVZ (x3) DE Q7NW (x2) (Cont'd) In traffic - 4 fig cut numbers	CW	(JPL-HK)
3297	M89	14-8-2011	1752		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	15-8-2011	1158		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	15-8-2011	1632		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	15-8-2011	1844		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	15-8-2011	1845		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	19-8-2011	1205		V GKVZ (x3) DE Q7NW (x2) (Cont'd) Very poor. Msg 5..83 1053	CW	(JPL-HK)
3297	M89	21-8-2011	1237		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	21-8-2011	1659		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	21-8-2011	2029		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	22-8-2011	1546		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	23-8-2011	1008		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	23-8-2011	1507		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	25-8-2011	1903		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	26-8-2011	1405		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	26-8-2011	2128		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	27-8-2011	1109		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	27-8-2011	2045		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	28-8-2011	1253		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	29-8-2011	1227		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	29-8-2011	1227		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	M89	31-8-2011	1944		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3642	M89	10-8-2011	1840		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
3642	M89	10-8-2011	2156		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
3642	M89	11-8-2011	2108		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
3642	M89	22-8-2011	1543		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
3642	M89	25-8-2011	1902		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
3642	M89	31-8-2011	1943		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
3756	S30	26-8-2011	2107		Pip	CW	(AB)
3797	M89	1-8-2011	1640		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	3-8-2011	2125		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	8-8-2011	1929		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	10-8-2011	1841		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	11-8-2011	1334		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	11-8-2011	2109		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	12-8-2011	1203		V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL-HK)
3797	M89	14-8-2011	1457		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	14-8-2011	1751		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	22-8-2011	1542		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	26-8-2011	1406		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	M89	27-8-2011	2041		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)

frequency	enigma	date	UTC	day	remarks	mode	contributor
3815	G11	5-8-2011	1900		565 strich 00 YL/GG	USB	(ATCManch)
3815	E11	15-8-2011	1050		127/00	USB	(Danix)
3815	G11	14-8-2011	2000		262/00	USB	(Danix)
3815	G11	19-8-2011	2000		265/38 04315 02778 82250 ... 83596 60635 62809	USB	(Danix)
3815	E11	8-8-2011	1050		not heard though carrier was present during expected message time	USB	(Daunt)
3815	G11	28-8-2011	2000		262/00	USB	(MUK)
3815.0	G11	5-8-2011	2000	Fri	262/00	USB	(Spec)
3815.0	G11	12-8-2011	2000	Fri	262/00	USB	(Spec)
3815.0	G11	14-8-2011	2000	Sun	262/00	USB	(Spec)
3815.0	G11	26-8-2011	2000	Fri	262/00	USB	(Spec)
3815.0	G11	28-8-2011	2000	Sun	262/00	USB	(Spec)
3815.0	G11	14-8-2011	2000	Sun	262/00	USB	(SWL1409)
3828.9	S32	26-8-2011	2107		Squeaky Wheel	USB	(AB)
3829	S32	7-8-2011	0052		stopped for ten seconds, but no message heard	USB	(Daunt)
4075	VC01	20-8-2011	2024		Chinese Robot in progress. Still on at 2135 UTC	USB	(AB-HK)
4075	VC01	21-8-2011	1953		Chinese Robot in progress	USB	(AB-HK)
4075	VC01	27-8-2011	0948		Chinese Robot in progress	USB	(AB-HK)
4075	VC01	28-8-2011	1223		Chinese Robot in progress	USB	(AB-HK)
4075	VC01	31-8-2011	1916		Chinese Robot in progress	USB	(AB-HK)
4075	VC01	20-8-2011	1340		Chinese Robot in progress	USB	(token)
4150	MX	28-8-2011	2056		Beacon "V"	CW	(AB)
4150	MX	28-7-2011	1920		Beacon "V" Khiva	CW	(tING)
4225	M89	21-8-2011	1948		V 7NPE 7NPE 7NPE DE QV5B QV5B //5500 kHz	CW	(AB-HK)
4225	M89	1-8-2011	1634		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	3-8-2011	2117		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	7-8-2011	2300		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	8-8-2011	1927		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	10-8-2011	1839		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	10-8-2011	2155		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	11-8-2011	2107		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	12-8-2011	1201		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	14-8-2011	1444		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	14-8-2011	1753		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	19-8-2011	1203		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	21-8-2011	1210		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	21-8-2011	1658		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	21-8-2011	2028		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	22-8-2011	1545		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	22-8-2011	2338		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	23-8-2011	2007		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	25-8-2011	1900		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
4225	M89	27-8-2011	1108		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	29-8-2011	1229		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	29-8-2011	1229		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	M89	31-8-2011	1942		V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4230.0	UNID	13-8-2011	2117	Sat	5 letter groups weak i/p	CW	(SWL1409)
4325.9	MX	20-8-2011	2034		Channel marker "R"	CW	(AB)
4330.0	M22	13-8-2011	2120	Sat	Weak to very weak i/p sending msg	CW	(SWL1409)
4331	M22	25-8-2011	2131		4XZ - Israeli Navy Haifa	CW	(norave)
4380	S--	9-8-2011	0657		Unid Russian numbers; high speed	USB	(ML4)
4523	M89	1-8-2011	1629		V QPZM (x3) DE WOXN (x2) (Cont'd) //7568	CW	(JPL-HK)
4523	M89	3-8-2011	2115		V QPZM (x3) DE WOXN (x2) (Cont'd) //7568	CW	(JPL-HK)

frequency	enigma	date	UTC	day	remarks	mode	contributor
4523	M89	7-8-2011	2259		V QPZM (x3) DE WOXN (x2) (Cont'd)	CW	(JPL-HK)
4625	S28	18-8-2011	0812		MDZhB 70 017 Dipomanija 88 90 79 04	USB	(AB-EST)
4625	S28	18-8-2011	0835		MDZhB 73 596 Diplodok 08 53 27 7	USB	(AB-EST)
4625	S28	18-8-2011	0836		MDZhB 33 562 Biplanovyj 95 82 02 38	USB	(AB-EST)
4625	S28	18-8-2011	0906		MDZhB 70 831 Giper 99 22 22 91	USB	(AB-EST)
4625	S28	18-8-2011	0937		MDZhB 71 286 Gipersten 51 60 65 09	USB	(AB-EST)
4625	S28	18-8-2011	0938		MDZhB 11 982 Giperyadro 84 59 13 39	USB	(AB-EST)
4625	S28	18-8-2011	1015		MDZhB 43 405 Lipak 65 15 65 95	USB	(AB-EST)
4625	S28	18-8-2011	1105		MDZhB 95 441 Lipakon 13 37 54 72	USB	(AB-EST)
4625	S28	18-8-2011	1109		MDZhB 85 611 Tsynkha 62 79 45 15	USB	(AB-EST)
4625	S28	19-8-2011	1151		MDZhB 79 833 Shinmilla 27 75 54 46	USB	(AB-EST)
4625	S28	19-8-2011	1222		MDZhB 87 660 Sinkhrotron 66 53 03 21	USB	(AB-EST)
4625	S28	19-8-2011	1305		MDZhB 09 975 Dinofek 29 40 75 51	USB	(AB-EST)
4625	S28	19-8-2011	1308		MDZhB 76 441 Minonosnyj 99 48 00 37	USB	(AB-EST)
4625	S28	19-8-2011	1444		MDZhB 25 268 Kinodialog 82 81 47 89	USB	(AB-EST)
4625	S28	19-8-2011	1447		MDZhB 47 956 Shinnyj 40 24 26 89	USB	(AB-EST)
4625	S28	19-8-2011	1539		IA6N 13 137 38 473 Vinkaton 43 65 32 76	USB	(AB-EST)
4625	S28	22-8-2011	0900		MDZhB 30 034 Tinkal 94 45 83 24	USB	(AB-EST)
4625	S28	22-8-2011	0950		MDZhB 26 527 Ginecej 01 11 01 35	USB	(AB-EST)
4625	S28	22-8-2011	1100		MDZhB 34 686 Dingi 74 80 92 88	USB	(AB-EST)
4625	S28	22-8-2011	1110		MDZhB 78 770 Chinab 50 06 48 15 Mimetizm 17 97 40 75 Imejka 68 32 96 34	USB	(AB-EST)
4625	S28	22-8-2011	1120		OEUN 67 234 10 324 Simvolika 06 50 32 02 Cimbidium 85 03 58 40 Gildin 52 14 46 54 Dildrin 37 46 77 11	USB	(AB-EST)
4625	S28	22-8-2011	1136		IA6N 67 234 10 324 Simvolika 06 50 32 02 Cimbidium 85 03 58 40 Gildin 52 14 46 54 Dildrin 37 46 77 11 [False start during repeat: "Gil	USB	(AB-EST)
4625	S28	22-8-2011	1247		MDZhB 41 686 Tilda 33 94 62 91	USB	(AB-EST)
4625	S28	22-8-2011	1322		MDZhB 90 043 Bilboke 68 38 31 43	USB	(AB-EST)
4625	S28	22-8-2011	1352		MDZhB 19 757 Bilboks 86 38 52 67	USB	(AB-EST)
4625	S28	22-8-2011	1357		MDZhB 66 026 Vilota 66 15 47 33 [False start: "66 sboj sboj sboj"]	USB	(AB-EST)
4625	S28	24-8-2011	0357		Female voice. 5 callsigns!! KZJT MBYShch 8ZhSM 1SG5 6E4N 70617 99919 63819 24832 05598 Splavshchica 1348 3324	USB	(AB-EST)
4625	S28	30-8-2011	0456		MDZhB 13 200 Eponim 78 37 70 02	USB	(AB-EST)
4625	S28	28-9-2011	1150		MDZhB 51 669 Viking 40 16 28 44 Likvemin 94 22 35 14	USB	(AB-EST)
4625	S28	28-9-2011	1154		MDZhB 28 851 Mikaroza 84 23 43 26	USB	(AB-EST)
4625	S28	29-9-2011	0337		MDZhB 00 712 Upriazhnoj 20 60 06 27	USB	(AB-EST)
4625	S28	29-9-2011	0357		MDZhB 72 933 Shprot 20 84 25 86	USB	(AB-EST)
4625	S28	29-9-2011	0405		MDZhB 82 233 Springbok 84 06 97 23	USB	(AB-EST)
4625	S28	29-9-2011	1350		MDZhB 43 550 Apofegmaty 69 26 50 78	USB	(AB-EST)
4625	S28	4-8-2011	0900		buzzer heard	USB	(Daunt)
4625	S28	7-8-2011	0008		buzzer slowed down	USB	(Daunt)
4625	S28	8-8-2011	0918		buzzer not heard / possible outage	USB	(Daunt)
4625	S28	23-8-2011	2200		Buzzer	USB	(EW)
4627	M32	30-8-2011	0909		Russian Mil "IDJO IDJO IDJO DE E10R E1OR K QSA VA"	CW	(AB-EST)
4635	S28	26-8-2011	2108		Buzzer	USB	(AB)
4860	M89	26-8-2011	1420		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Fri) //6840	CW	(JPL-AUS)
4860	M89	27-8-2011	2021		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sat) //6840	CW	(JPL-AUS)

frequency	enigma	date	UTC	day	remarks	mode	contributor
4860	M89	3-8-2011	2119		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) (//6840	CW	(JPL-HK)
4860	M89	8-8-2011	1920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840	CW	(JPL-HK)
4860	M89	10-8-2011	1922		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (In Progress)	CW	(JPL-HK)
4860	M89	11-8-2011	2119		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Thu) //6840	CW	(JPL-HK)
4860	M89	15-8-2011	1920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840	CW	(JPL-HK)
4860	M89	21-8-2011	0020		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //6840	CW	(JPL-HK)
4860	M89	21-8-2011	2120		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //6840	CW	(JPL-HK)
4860	M89	25-8-2011	1920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Thu) //6840	CW	(JPL-HK)
4860	M89	26-8-2011	2120		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Fri) //6840	CW	(JPL-HK)
4860	M89	27-8-2011	1120		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sat) //6840	CW	(JPL-HK)
4860	M89	23-8-2011	2020		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) //6840	CW	(JPL-SVK)
4890	M51	10-8-2011	2040		BT NR 25 A 10 22:05:47 1993 BT + 5FGs	CW	(Daunt)
4896	M01b	12-8-2011	2010		467 510 30 = 60121	CW	(FN)
4905	M01	4-8-2011	2000		025 645 30 = = ...	CW	(Danix)
4905	M01	9-8-2011	2000		025 316 30 = = 49853...	CW	(Danix)
4905.0	M01	2-8-2011	2000	Tue	025 505 30 = 18444 ... 57168 = 505 30 000	CW	(Spec)
4905.0	M01	4-8-2011	2000	Thu	025 645 30 = 67430 ... 86437 = 645 30 000	CW	(Spec)
4905.0	M01	9-8-2011	2000	Tue	025 315 30 = 49753 ... 05**4 315 30 000	CW	(Spec)
4905.0	M01	11-8-2011	2000	Thu	025 713 30 = 89264 ... 26957 = 713 30 000	CW	(Spec)
4905.0	M01	16-8-2011	2000	Tue	025 890 30 = 45631 ... 07099 = 890 30 000	CW	(Spec)
4905.0	M01	18-8-2011	2000	Thu	025 542 30 = 80290 ... 81791 = 542 30 000	CW	(Spec)
4905.0	M01	30-8-2011	2000	Tue	025 463 30 = 14005 ... 35150 = 463 30 000	CW	(Spec)
4907	M01b	11-8-2011	2000		025 713 30 = 89264	CW	(FN)
4909	S11a	14-8-2011	1355		???/32 (call missed) 09989 ... ?4782	USB	(Danix)
4909	S11a	14-8-2011	1355		???/32 (call missed) 09989 ... ?4782	USB	(Danix)
4909	E11	11-8-2011	0900		248/00	USB	(FN)
4909	E11	13-8-2011	0900	Sat	248/00	USB	(HFD)
5066	M01b	11-8-2011	1942		936 510 30 = 60121	CW	(FN)
5072	M12	17-6-2006	0134		269 269 269 (repeated) ttt	CW	(IB)
5073	M12	17-6-2006	0101		t22 t22 t22 (repeated) ttt	CW	(IB)
5074	M45	4-8-2011	1702		Morse in progress	CW	(Daunt)
5076	M01b	12-8-2011	1902		336 510 30 = 60121	CW	(FN)
5115.0	M51	31-8-2011	2130	Wed	(I.P.) nr 33 a 31 23:32:31 1983 bt ypcgq ...	CW	(Spec)
5115.0	UNID	13-8-2011	2124	Sat	5 letter groups weak i/p similar to 4230kHz.	CW	(SWL1409)
5120.0	M51	30-8-2011	1330	Tue	(I.P.) bt nr 06 a 30 15:32:36 1983 bt jmvod ...	CW	(Spec)
5123	M51	29-8-2011	0629		NR 1 O 1 A 29 08:39:14 1983 BT FIONI ÜMWXV	CW	(WP3)
5150	M01b	15-8-2011	1915		858 510 30 = = 60121...	CW	(Danix)
5152	M01b	8-8-2011	1915		858 784 30 = 96469	CW	(FN)
5248	M01c	19-5-2007	0252		324 324 324 333 39t52 39t52 ttt	CW	(IB)
5278	M89	23-8-2011	2304		V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-AFS)
5280	M01	9-8-2011	1800		025 217 30 = =	CW	(Danix)
5280.0	M01	9-8-2011	1800	Tue	025 217 30 = 82309 ... 61358 = 217 30 000	CW	(Spec)
5280.0	M01	23-8-2011	1800	Tue	025 750 30 = 95532 ... 92987 = 750 30 000	CW	(Spec)
5339	M12	17-6-2006	0150		Calling several stations at the same time. Very	CW	(IB)

frequency	enigma	date	UTC	day	remarks	mode	contributor
					odd. 269 + 651 + t64 ttt		
5340.0	M01b	5-8-2011	2010	Fri	467 784 30 = 96469 ... 15833 = 784 30 000	CW	(Spec)
5340.0	M01b	12-8-2011	2010	Fri	467 510 30 = 60121 ... 46894 = 510 30 000	CW	(Spec)
5340.0	M01b	26-8-2011	2010	Fri	467 510 30 = 60121 ... 46894 = 510 30 000	CW	(Spec)
5341	M01b	12-8-2011	2010		467 510 30 = 60121	CW	(FN)
5373	M45	4-8-2011	1753		... = = 731 30 000	CW	(Danix)
5373	S21	11-8-2011	1742		973 971 30 61941 45660....	USB	(HS2)
5373	S21	11-8-2011	1742		973 971 30 61941 45660....	USB	(HS2)
5373	S21	16-8-2011	1742		973 971 30 61941 45660 .... 82257 //4973	USB	(HS2)
5430	S06s	9-8-2011	0700		374 961 5 78809	AM	(FN)
5466	M01b	12-8-2011	1902		336 510 30 = 60121	CW	(FN)
5475	M01b	15-8-2011	1915		858 510 30 = = 60121...	CW	(Danix)
5475.0	M01b	22-8-2011	1915	Mon	858 510 30 = 60121 ... 46894 = 510 30 000	CW	(Spec)
5476	M01b	8-8-2011	1915		858 784 30 = 96469	CW	(FN)
5500	M89	21-8-2011	1948		V 7NPE 7NPE 7NPE DE QV5B QV5B //4225 kHz	CW	(AB-HK)
5500	M89	27-8-2011	2030		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-AUS)
5500	M89	1-8-2011	1634		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	3-8-2011	2117		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	7-8-2011	2300		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	8-8-2011	1927		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	10-8-2011	1839		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	10-8-2011	2155		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	11-8-2011	1331		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	M89	11-8-2011	2107		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	12-8-2011	1201		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	14-8-2011	1444		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	14-8-2011	1753		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	14-8-2011	2349		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	M89	15-8-2011	1157		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	M89	15-8-2011	1631		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	M89	15-8-2011	1843		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	M89	19-8-2011	1203		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	21-8-2011	1210		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	21-8-2011	1658		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	21-8-2011	2028		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	22-8-2011	1545		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	22-8-2011	2338		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	23-8-2011	1501		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	M89	23-8-2011	2007		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	26-8-2011	1402		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	M89	26-8-2011	2126		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	M89	27-8-2011	1108		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	27-8-2011	2038		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	M89	28-8-2011	1252		V 7NPE (x3) DE QV5B (x2) (Cont'd) (//4225	CW	(JPL-HK)
5500	M89	28-8-2011	1252		V 7NPE (x3) DE QV5B (x2) (Cont'd) (//5500	CW	(JPL-HK)
5500	M89	29-8-2011	1229		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	29-8-2011	1229		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	M89	31-8-2011	1942		V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5731	E06	19-8-2011	2130		315 456 15 12345 67890 08642 13579 41962 50431 84263 19083 54712 70184 21543 56987 52431 84756 01925 456 15 00000	AM	(Danix)
5731.0	E06	5-8-2011	2031	Fri	123456789 Test Count Strong QRN2 QSB2	USB	(Spec)
5731.0	E06	5-8-2011	2130	Fri	315 456 15 12345 ... 01925 456 15 00000	USB	(Spec)
5788	M12	17-8-2011	1740	Wed	463 1	CW	(HFD)

frequency	enigma	date	UTC	day	remarks	mode	contributor
5800	V02a	1-8-2011	0301		Cuban Intelligence. YL/SS clg "Attencion 41532 06001 81622 Attencion ..." into 5FGs	AM	(ALF)
5806	M01b	11-8-2011	1942		936 510 30 = 60121	CW	(FN)
5810	M01b	19-8-2011	1515	Fri	158 weak	USB	(HFD)
5810	M01b	12-8-2011	1515		158 524 30 = 59454 55054...	CW	(HS2)
5810	M01b	12-8-2011	1515		158 524 30 = 59454 55054...	CW	(HS2)
5811	M01b	12-8-2011	1515		158 524 30 = 59454	CW	(FN)
5815	G11	9-8-2011	1755		270/00	USB	(Danix)
5815	G11	16-8-2011	1755		270/00	USB	(Danix)
5815	G11	19-8-2011	1325		299/00	USB	(Danix)
5815	S11a	10-8-2011	1020		222/34 03910 ... 19827	USB	(Danix)
5815	S11a	10-8-2011	1020		222/34 V 03910 ... 19827	USB	(Danix)
5815	G11	14-8-2011	1755	Sun	270/00	USB	(HFD)
5815	G11	17-8-2011	1755	Wed	270/00	USB	(HFD)
5815	G11	19-8-2011	1325	Fri	299/00	USB	(HFD)
5815	G11	20-8-2011	1325	Sat	299/00	USB	(HFD)
5815	G11	23-8-2011	1755	Tue	270/00	USB	(HFD)
5815	G11	16-8-2011	1755		270/00 Bad audio and faulty 7's	USB	(HS2)
5815.0	G11	12-8-2011	1325	Fri	298/36 Achtung 32424 ... 74521 Ende	USB	(Spec)
5832	VC01	20-8-2011	2139		Chinese Robot	LSB	(AB-HK)
5832	VC01	23-8-2011	1912		Chinese Robot	LSB	(AB-HK)
5832	VC01	26-8-2011	1742		Chinese Robot	LSB	(AB-HK)
5832	VC01	27-8-2011	1242		Chinese Robot in progress	LSB	(AB-HK)
5832	VC01	28-8-2011	1223		Chinese Robot in progress	LSB	(AB-HK)
5832	VC01	31-8-2011	1916		Chinese Robot in progress	LSB	(AB-HK)
5832	VC01	20-8-2011	1340		Chinese Robot in progress	LSB	(token)
5832	VC01	22-8-2011	1330		Chinese Robot	LSB	(Token)
5835	S06s	10-8-2011	0830		471 902 5 01928	AM	(FN)
5865.0	S06	17-8-2011	1805	Wed	471 00000	USB	(Spec)
5870	S06	17-8-2011	1805	Wed	471 0 //6770	AM	(HFD)
5883	E11	12-8-2011	0700		A53411 81462 15172	USB	(HS2)
5883	V02a	12-8-2011	0700		Atencion 53411 81462 15172	AM	(HS2)
5883	V02a	15-8-2011	0700		A70762 51451 01871	AM	(HS2)
5888	V02a	4-8-2011	0803		in progress	USB	(Daunt)
5898	V20a	9-8-2011	0800		strong and clear / rather enthusiastic YM	AM	(Daunt)
5900.0	V02a	3-8-2011	0000	Wed		USB	(DTC)
5900.0	V02a	3-8-2011	0000	Wed	not heard on exact schedule; DGI must have timed them when o	USB	(DTC)
5900.0	V02a	10-8-2011	0000	Wed		LSB	(DTC)
5938	M01b	18-8-2011	1505	Thu	159	CW	(HFD)
5948	E06	4-8-2011	2030		blocked by commercial traffic	AM	(Daunt)
5948.0	E06	4-8-2011	2030	Thu	Caught I.P.	USB	(Spec)
6125	S06s	9-8-2011	1240		278 405 6 25229 35484 75082 254?7 68424 49706 405 6 00000	AM	(Danix)
6125	S06s	16-8-2011	1240		278 914 5 79874 03964 83451 78753 96913	AM	(HS2)
6252	E11	9-8-2011	1240		349/00	USB	(Danix)
6252	E11	16-8-2011	1240		349/00	USB	(HS2)
6252.0	E11	30-8-2011	1240	Tue	349/00 1243z	USB	(Spec)
6280	E11	4-8-2011	0820		438/00	USB	(Daunt)
6280	E11	16-8-2011	0820	Tue	438/00	USB	(HFD)
6280	E11	18-8-2011	0820	Thu	438/00	USB	(HFD)
6280	E11	16-8-2011	0820		438/00	USB	(HS2)
6280	E11a	11-8-2011	0820		436/35 A 60902 91562 51187	USB	(HS2)
6280	E11a	11-8-2011	0820		436/35 A 60902 91562 51187	USB	(HS2)

frequency	enigma	date	UTC	day	remarks	mode	contributor
6379	M22	27-8-2011	0122		4XZ - Israeli Navy Haifa	CW	(Daunt)
6380.0	M08a	16-8-2011	0300	Tue		USB	(WEUS)
6421.5	M21	9-8-2011	0436		Russian Air Defence =990836??8?????	CW	(PPA)
6524	M03	20-8-2011	1535		795/36 = = 05963 34817 75137 ... 86961 04342 30634 = = 0 0 0	CW	(Danix)
6524	M03	12-8-2011	0820		761/00	CW	(HS2)
6524	M03	12-8-2011	0820		761/00	CW	(HS2)
6524	M03	16-8-2011	1135		786/00	CW	(HS2)
6666	S06s	16-8-2011	1500		537 406 8 46233 22672 47948 82444 26088 33815 25478 45575	AM	(HS2)
6666.0	S06s	30-8-2011	1500	Tue	537 00000	USB	(Spec)
6755	S06s	10-8-2011	0820		471 902 5 01928	AM	(FN)
6770	S06	17-8-2011	1805	Wed	471 0 //5870	AM	(HFD)
6770	S06	31-8-2011	1800	Wed	471 0	AM	(HFD)
6770	M12	17-6-2006	0106		111 111 111 (repeated) ttt	CW	(IB)
6770.0	S06	31-8-2011	1759	Wed	967 00000	USB	(Spec)
6773	M89	12-8-2011	1203		V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
6780	S06s	9-8-2011	0715		374 961 5 78809	AM	(FN)
6802	M12	17-8-2011	1720	Wed	463 1	CW	(HFD)
6815	S06s	10-8-2011	1210		481 932 5 98259	AM	(FN)
6815.0	S06s	3-8-2011	1210	Wed	481 5 98259 91756 40701 70980 51225 932 5 00000	USB	(Spec)
6815.0	S06s	31-8-2011	1209	Wed	481 00000	USB	(Spec)
6840	M89	26-8-2011	1420		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Fri) //4860	CW	(JPL-AUS)
6840	M89	27-8-2011	2020		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sat)	CW	(JPL-AUS)
6840	M89	27-8-2011	2021		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sat) //4860	CW	(JPL-AUS)
6840	M89	3-8-2011	2119		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //4860	CW	(JPL-HK)
6840	M89	7-8-2011	2319		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //10640	CW	(JPL-HK)
6840	M89	8-8-2011	1920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //4860	CW	(JPL-HK)
6840	M89	10-8-2011	1922		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (In Progress)	CW	(JPL-HK)
6840	M89	11-8-2011	2119		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Thu) //4860	CW	(JPL-HK)
6840	M89	15-8-2011	1920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //4860	CW	(JPL-HK)
6840	M89	21-8-2011	0020		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //4860	CW	(JPL-HK)
6840	M89	21-8-2011	2120		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //4860	CW	(JPL-HK)
6840	M89	25-8-2011	1920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Thu) //4860	CW	(JPL-HK)
6840	M89	26-8-2011	2120		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Fri) //4860	CW	(JPL-HK)
6840	M89	27-8-2011	1120		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sat) //4860	CW	(JPL-HK)
6840	M89	28-8-2011	0020		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //10640	CW	(JPL-HK)
6840	M89	29-8-2011	0920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //10640	CW	(JPL-HK)
6840	M89	29-8-2011	0920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //10640	CW	(JPL-HK)
6840	M89	29-8-2011	1220		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL-HK)

frequency	enigma	date	UTC	day	remarks	mode	contributor
					(Mon) //10640		
6840	M89	29-8-2011	1220		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //10640	CW	(JPL-HK)
6840	M89	23-8-2011	2020		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) //4860	CW	(JPL-SVK)
6840	M89	23-8-2011	2320		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue)	CW	(JPL-SVK)
6884	Psy	23-8-2011	1237		NATO Psy-Ops messages in Arab and English to Libya	USB	(ML4)
6898	M01d	23-6-2007	1027		323 323 323 (rptd) 318 318 318 (rptd) 315 315 315 (rptd)	CW	(IB)
6904	M12	15-8-2011	1740		257 1 1881 73...	CW	(Danix)
6904	M12	18-8-2011	1940	Thu	257 1	CW	(HFD)
6904	M12	22-8-2011	1840	Mon	257 1	CW	(HFD)
6904.0	M12	1-8-2011	1940	Mon	257 1 3038 60 77847 ... 71255 000 000	CW	(Spec)
6904.0	M12	29-8-2011	1940	Mon	257 1 7044 97 54205 ... 14089 000 000	CW	(Spec)
6922.0	S06	6-8-2011	1935	Sat	366 00000	USB	(Spec)
6922.0	S06	13-8-2011	1935	Sat	366 00000	USB	(Spec)
6922.0	S06	27-8-2011	1935	Sat	366 00000	USB	(Spec)
6923	M12	17-8-2011	2120	Wed	198 0	CW	(HFD)
6941	E07	9-8-2011	0700		902 902 902 000	AM	(FN)
6941	E07	11-8-2011	0700		902 902 902 000	AM	(FN)
6941	E07	18-8-2011	0700	Thu	902 0 hardly audible	USB	(HFD)
6948	G06	15-8-2011	0800		215 00000	AM	(Danix)
6951	E06	14-8-2011	0130		"759"	AM	(Daunt)
6953	E06	7-8-2011	0130		"759" - Barely audible	USB	(Daunt)
6953	E06	20-8-2011	0130		"759" was xxx2 above the scheduled frequency	AM	(Daunt)
6953	E06	21-8-2011	0130		"759" repeat of 0030 UTC without errors	AM	(Daunt)
6953.0	E06	14-8-2011	0130	Sun	Russian Man	USB	(Saber)
6953.0	E06	28-8-2011	0130	Sun	Russian Man, fading in places.	USB	(Saber)
6953.0	E06	6-8-2011	0130	Sat	759 624 31 09704 ... 57001 624 31 00000	USB	(Spec)
6953.0	E06	7-8-2011	0130	Sun	759 624 31 09704 ... 57001 624 31 00000	USB	(Spec)
6953.0	E06	12-8-2011	0130	Fri	759 810 34 61752 ... 26634 810 34 00000	USB	(Spec)
6953.0	E06	13-8-2011	0130	Sat	759 810 34 61752 ... 26634 810 34 00000	USB	(Spec)
6953.0	E06	14-8-2011	0130	Sun	759 810 34 61752 ... 26634 810 34 00000	USB	(Spec)
6953.0	E06	20-8-2011	0130	Sat	759 426 31 89481 ... 80731 426 31 00000	USB	(Spec)
6953.0	E06	21-8-2011	0130	Sun	759 426 31 89481 ... 80731 426 31 00000	USB	(Spec)
6953.0	E06	27-8-2011	0130	Sat	759 648 32 79676 ... 43188 648 32 00000	USB	(Spec)
6953.0	E06	28-8-2011	0130	Sun	759 648 32 79676 ... 43188 648 32 00000	USB	(Spec)
6983	M32	23-8-2011	0628		Russian Mil: "= 991= AAAAA DDDDD CONIZ AU_ MN GOUZA USNOR PKOQX BNOUL FNNTT' CETPN LÜNNP AKOLX"	CW	(WP3)
6983.0	G11	8-8-2011	0940	Mon	275/00	USB	(Spec)
6983.0	S06	6-8-2011	1605	Sat	134 00000	USB	(Spec)
6983.0	S06	13-8-2011	1605	Sat	134 00000	USB	(Spec)
6984	S06	15-8-2011	1905		349/00	AM	(HS2)
6986	G11	11-8-2011	0941		275/00	USB	(ALF)
6986	G11	1-8-2011	0940		275/35 A 50330 ... 14399	USB	(Danix)
6986	G11	15-8-2011	0940		275/00	USB	(Danix)
6986	G11	8-8-2011	0942		275/00	USB	(Daunt)
6986	G11	11-8-2011	0940		275/00	USB	(FN)
6986	G11	18-8-2011	0940	Thu	275/00	USB	(HFD)
6986	G11	15-8-2011	0940		275/00	USB	(HS2)
6986.0	G11	15-8-2011	0940	Mon	275/00	USB	(Spec)
6986.0	G11	18-8-2011	0940	Thu	275/00	USB	(Spec)

frequency	enigma	date	UTC	day	remarks	mode	contributor
6991	M01c	16-5-2007	1201		324 324 324 65932 65932 324 324 324 ttt	CW	(IB)
7038.7	MX	15-8-2011	1853		Beacon "D"	CW	(PPA)
7038.8	MX	27-8-2011	1012		Beacon "P"	CW	(AB)
7038.8	MX	15-8-2011	1852		Beacon "P"	CW	(PPA)
7039.2	MX	27-8-2011	1249		Beacon "F"	CW	(AB-HK)
7039.2	MX	29-8-2011	1230		Beacon "F" Vladivostok	CW	(EW)
7039.3	MX	29-8-2011	1230		Beacon "K" Petropavlovsk	CW	(EW)
7039.4	MX	27-8-2011	1249		Beacon "M"	CW	(AB-HK)
7039.4	MX	29-8-2011	1230		Beacon "M" Magadan	CW	(EW)
7041.8	MX	2-8-2011	1842		Beacon "L"	CW	(ALF)
7041.9	MX	26-8-2011	2111		Beacon "L"	BEE	(AB)
7041.9	MX	30-8-2011	1644		Beacon "L"	BEE	(AB)
7041.9	MX	25-8-2011	1630		L beacon is heard with two ID's, spaced ca 450 Hz (+/- ~225 Hz), on a center frequency of 7041.9xx kHz.	CW	(TJ)
7335	S06s	10-8-2011	0730		745 261 8 78162 56567 43210 90678 22671 78924 68989 01987	AM	(HS2)
7335	S06s	10-8-2011	0730		745 261 8 78162 56567 43210 90678 22671 78924 68989 01987	AM	(HS2)
7437	E07a	18-8-2011	0430	Thu	411 1-33329-689/63 =62624	AM	(HFD)
7470	XPA2	23-8-2011	2010	Tue	msg	MFSK-15/20Bd	(HFD)
7473	E07	10-8-2011	2020		147 147 147 000	AM	(FN)
7473.0	E07a	3-8-2011	2020	Wed	147 147 147 000	USB	(Spec)
7473.0	E07a	10-8-2011	2020	Wed	147 147 147 000	USB	(Spec)
7473.0	E07a	17-8-2011	2020	Wed	147 1 33329 689 63 62624 ... 28461 000 000	USB	(Spec)
7473.0	E07a	24-8-2011	2020	Wed	147 1 32027 576 55 94543 ... 70464 000 000	USB	(Spec)
7473.0	E07a	31-8-2011	2020	Wed	147 147 147 000	USB	(Spec)
7545	S06s	10-8-2011	1230		967 408 5 75259	AM	(FN)
7545.0	S06s	10-8-2011	1230	Wed	967 408 5 75259 48745 35589 55484 55945 408 5 00000	USB	(Spec)
7545.0	S06s	31-8-2011	1230	Wed	967 00000	USB	(Spec)
7560	M12	22-8-2011	0500	Mon	501 0	CW	(HFD)
7568	M89	1-8-2011	1629		V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW	(JPL-HK)
7568	M89	3-8-2011	2115		V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW	(JPL-HK)
7568	M89	8-8-2011	1925		V QPZM (x3) DE WOXN (x2) (Cont'd)	CW	(JPL-HK)
7582	M89	14-8-2011	0340		V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	M89	27-8-2011	0149		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
7582	M89	28-8-2011	0006		V 7NPE (x3) DE QV5B (x2) (Cont'd) (//8110	CW	(JPL-HK)
7584	M12	16-8-2011	0340		511 1 ... 259...	CW	(Danix)
7584	M12	16-8-2011	0340	Tue	511 1	CW	(HFD)
7602	M89	23-8-2011	2300		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-AFS)
7602	M89	25-8-2011	2130		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-AFS)
7602	M89	26-8-2011	2131		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-AFS)
7602	M89	27-8-2011	2009		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-AFS)
7602	M89	28-8-2011	2138		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-AFS)
7602	M89	27-8-2011	2013		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-AUS)
7602	M89	29-8-2011	2158		V RXP7 (x3) DE CZT2 (x2) (Cont'd)	CW	(JPL-D)
7602	M89	29-8-2011	2159		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-D)
7602	M89	29-8-2011	2159		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
7602	M89	23-8-2011	2015		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-SVK)
7602	M89	28-8-2011	2141		V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-SVK)
7637	E07	4-8-2011	2050		no message at expected time	AM	(Daunt)
7637	E07	18-8-2011	2050	Thu	716 1	AM	(HFD)
7637.0	E07	11-8-2011	2050	Thu	716 1 481 79 49214 ... 67463 000	AM	(Spec)

frequency	enigma	date	UTC	day	remarks	mode	contributor
7637.0	E07	18-8-2011	2050	Thu	716 1 481 79 49214 ... 67463 000 000	AM	(Spec)
7650	S06s	16-8-2011	1230		278 914 5 79874 03964 83451 78753 96913	AM	(HS2)
7650.0	S06s	23-8-2011	1230	Tue	278 914 5 79874 03964 83451 78753 96913 914 5 00000	USB	(Spec)
7650.0	S06s	30-8-2011	1230	Tue	278 00000	USB	(Spec)
7744.0	S06s	30-8-2011	1509	Tue	537 00000	USB	(Spec)
7765	S06s	10-8-2011	1200		481 932 5 98259	AM	(FN)
7765.0	S06s	3-8-2011	1200	Wed	481 5 98259 91756 40701 70980 51225 932 5 00000	USB	(Spec)
7765.0	S06s	31-8-2011	1200	Wed	481 00000	USB	(Spec)
7837	M03	4-8-2011	1115		656/31 = = 20591 ... 43062 = = 0 0 0	CW	(Danix)
7837	M03	4-8-2011	1115		656/31 = = 20591 ... 43062 = = 0 0 0	CW	(Danix)
7837	M03	18-8-2011	1115	Thu	650/00	CW	(HFD)
7844	E06	30-7-2011	0130		755 repeated	AM	(RR2)
7864	VC01	20-8-2011	0655		Chinese Robot in progress	LSB	(AB-HK)
7865	VC01	26-8-2011	1742		Chinese Robot	USB	(AB-HK)
7865	VC01	22-8-2011	0300		Chinese Robot	LSB	(HS-HK)
7865	VC01	22-8-2011	0530		Chinese Robot	LSB	(HS-HK)
7865	VC01	22-8-2011	1330		Chinese Robot	USB	(Token)
7889.0	S06s	8-8-2011	1610	Mon	176 940 5 05548 43742 83166 59065 33459 940 5 00000	USB	(Spec)
7889.0	S06s	15-8-2011	1610	Mon	176 290 5 37225 45929 87757 52760 45564 290 5 00000	USB	(Spec)
7931	M12	15-8-2011	1720		257 1 1881 73...	CW	(Danix)
7931	M12	18-8-2011	1920	Thu	257 1	CW	(HFD)
7931	M12	22-8-2011	1820	Mon	257 1	CW	(HFD)
7931	M12	15-8-2011	1928		257 257 257 2 => 5F msg	CW	(PPA)
7931.0	M12	1-8-2011	1920	Mon	257 1 3038 60 77847 ... 71255 000 000	CW	(Spec)
7931.0	M12	29-8-2011	1920	Mon	257 1 7044 97 54205 ... 14089 000 000	CW	(Spec)
7981	E06	6-8-2011	0030		"759"	AM	(Daunt)
7981	E06	7-8-2011	0030		"759"	AM	(Daunt)
7981	E06	11-8-2011	0030		"759"	AM	(Daunt)
7981	E06	14-8-2011	0030		"759"	AM	(Daunt)
7981	E06	21-8-2011	0030		"759" several errors in the transmission	AM	(Daunt)
7981	E06	27-8-2011	0030		"759" first two "759"s were back to back	AM	(Daunt)
7981	E06	28-8-2011	0030		"759" minor microphone issues with a bouncing noise	AM	(Daunt)
7981.0	E06	20-8-2011	0030	Sat	very strong signal	AM	(IP-DE)
7981.0	E06	6-8-2011	0030	Sat	very weak signal, hardly anything heard	AM	(IP-NL)
7981.0	E06	20-8-2011	0030	Sat	Russian Man, caught on first tx!	USB	(Saber)
7981.0	E06	6-8-2011	0030	Sat	759 624 31 09704 ... 57001 624 31 00000	USB	(Spec)
7981.0	E06	7-8-2011	0030	Sun	759 624 31 09704 ... 57001 624 31 00000	USB	(Spec)
7981.0	E06	13-8-2011	0030	Sat	759 810 34 61752 ... 26634 810 34 00000	USB	(Spec)
7981.0	E06	14-8-2011	0030	Sun	759 810 34 61752 ... 26634 810 34 00000	USB	(Spec)
7981.0	E06	20-8-2011	0030	Sat	759 426 31 89481 ... 80731 426 31 00000	USB	(Spec)
7981.0	E06	21-8-2011	0030	Sun	759 426 31 89481 ... 80731 426 31 00000	USB	(Spec)
7981.0	E06	27-8-2011	0030	Sat	759 648 32 79676 ... 43188 648 32 00000	USB	(Spec)
7981.0	E06	28-8-2011	0030	Sun	759 648 32 79676 ... 43188 648 32 00000	USB	(Spec)
7982.0	S06	1-8-2011	1900	Mon	349 00000	USB	(Spec)
8023.95	M89	22-8-2011	1924		V RXP7 RXP7 RXP7 DE CZT2 CZT2	CW	(PPA)
8024	M89	29-8-2011	2158		V RXP7 (x3) DE CZT2 (x2) (Cont'd)	CW	(JPL-HK)
8024	M89	23-8-2011	2012		V RXP7 (x3) DE CZT2 (x2) (Cont'd)	CW	(JPL-SVK)
8034	XPA	16-8-2011	0440		028 1 00862 00485 13399 LG55336	MFSK-20	(Danix)
8034	XPA	16-8-2011	0440		828 1 00862 00485 13399 ... 55336 +++++	MFSK-20	(FN)

frequency	enigma	date	UTC	day	remarks	mode	contributor
8040	M89	29-8-2011	0910		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
8040	M89	29-8-2011	0910		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
8040	M89	29-8-2011	1228		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
8040	M89	29-8-2011	1228		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
8040	M89	31-8-2011	1945		V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
8041	E07	9-8-2011	0720		902 902 902 000	AM	(FN)
8041	E07	11-8-2011	0720		902 902 902 000	AM	(FN)
8041	E07	18-8-2011	0720	Thu	902 0 blocked by RN Fax	AM	(HFD)
8047	M12	17-8-2011	1700	Wed	463 1	CW	(HFD)
8070	XPA2	18-8-2011	1950	Thu	msg	MFSK-15/20Bd	(HFD)
8100	X06c	17-8-2011	1030		Mazielka. Sequence: 123456	AM	(Danix)
8110	M89	14-8-2011	0340		V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	M89	28-8-2011	0006		V 7NPE (x3) DE QV5B (x2) (Cont'd) (//7582	CW	(JPL-HK)
8110	M89	29-8-2011	0906		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
8110	M89	29-8-2011	0906		V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
8123	M12	17-8-2011	2100	Wed	198 0	CW	(HFD)
8137	E07a	18-8-2011	0450	Thu	411 1-33329	AM	(HFD)
8173	E07	10-8-2011	2000		147 147 147 000	AM	(FN)
8173.0	E07a	3-8-2011	2000	Wed	147 147 147 000	USB	(Spec)
8173.0	E07a	10-8-2011	2000	Wed	147 147 147 000	USB	(Spec)
8173.0	E07a	17-8-2011	2000	Wed	147 1 33329 689 63 62624 ... 28461 000 000	USB	(Spec)
8173.0	E07a	24-8-2011	2000	Wed	147 1 32027 576 55 94543 ... 70464 000 000	USB	(Spec)
8173.0	E07a	31-8-2011	2000	Wed	147 147 147 000	USB	(Spec)
8176.3	OLO32	13-8-2011	2048		Czech Intel Prague. Encrypted traffic	FEC 100/170	(PPA)
8184	M12	16-8-2011	0400		511 1 ... 259...	CW	(Danix)
8184	M12	16-8-2011	0400	Tue	511 1	CW	(HFD)
8220	S06s	10-8-2011	1240		967 408 5 75259	AM	(FN)
8220.0	S06s	10-8-2011	1240	Wed	967 408 5 75259 48745 35589 55484 55945 408 5 00000	USB	(Spec)
8220.0	S06s	31-8-2011	1239	Wed	967 00000	USB	(Spec)
8313	XSL	5-8-2011	2300		in progress	PSK	(Daunt)
8495.3	MX	29-8-2011	1230		Beacon "K" Petropavlovsk	CW	(EW)
8495.4	MX	29-8-2011	1230		Beacon "M" Magadan	CW	(EW)
8497.9	MX	30-8-2011	1656		Beacon "L"	CW	(AB)
8530	S11a	19-8-2011	0915	Fri	480/34=26835	USB	(HFD)
8530	S11a	12-8-2011	0915		484/00	USB	(HS2)
8530	S11a	12-8-2011	0915		484/00	USB	(HS2)
8530	S11a	16-8-2011	0915		480/34 V 26834 46646 03058	USB	(HS2)
8530.0	S11a	16-8-2011	0915	Tue	484/message	USB	(Spec)
8530.0	S11a	23-8-2011	0915	Tue	484/00	USB	(Spec)
8530.0	S11a	30-8-2011	0915	Tue	484/00	USB	(Spec)
8530.0	S11a	16-8-2011	0915	Tue	480/34	USB	(SWL1409)
8530.0	S11a	23-8-2011	0915	Tue	484/00	USB	(SWL1409)
8598	XSL	5-8-2011	2300		in progress	PSK	(Daunt)
9000	VC01	18-8-2011	1148		Chinese Robot	USB	(DXLD)
9000	VC01	18-8-2011	1341		Chinese Robot	USB	(DXLD)
9057	M42	29-7-2011	0329		Russian Gov/Intel. 103x5FGs with "=50=" separator, end "- 0332 K" into CW/A1A OP-chat "cfm QRU? k", "SLV k", "NIL k sk sk".	F1B-RTTY/ITA2/50/500	(ALF)
9060	M12	22-8-2011	0520	Mon	501 0	CW	(HFD)
9061	E06	30-7-2011	0030		755 repeated	AM	(RR2)
9063	SK01	2-8-2011	0642		Cuban Intel	RDFT	(Haz)
9065.0	S06	6-8-2011	2000	Sat	703 00000	USB	(Spec)
9110	S06s	10-8-2011	1910		371 820 5 65022	AM	(FN)

frequency	enigma	date	UTC	day	remarks	mode	contributor
9110.0	S06s	3-8-2011	1910	Wed	371 820 5 65022 45854 76496 58867 42841 820 5 00000	USB	(Spec)
9110.0	S06s	10-8-2011	1910	Wed	371 820 5 65022 45854 76496 58867 42841 820 5 00000	USB	(Spec)
9110.0	S06s	17-8-2011	1910	Wed	371 409 5 85555 53552 13444 65280 21966 409 5 00000	USB	(Spec)
9110.0	S06s	31-8-2011	1909	Wed	371 00000	USB	(Spec)
9121	M32	25-8-2011	1726		CIS Mil: "DOBV DE KRUG QSY 88T95"	CW	(PPA)
9130	M42	29-7-2011	0950		Russian Gov/Intel. Reversals spurious +/- 23.5 kHz on 9106.5 & 9153.5 kHz.	F1B-FSK2/50/500	(ALF)
9137	E07a	18-8-2011	0510	Thu	411 1-33329	AM	(HFD)
9147	E07	18-8-2011	2030	Thu	716 1	AM	(HFD)
9147.0	E07	4-8-2011	2030	Thu	716 716 716 000	AM	(Spec)
9147.0	E07	11-8-2011	2030	Thu	716 1 481 79 49214 ... 67463 000	AM	(Spec)
9147.0	E07	18-8-2011	2030	Thu	716 1 481 79 49214 ... 67463 000 000	AM	(Spec)
9153	V26	17-8-2011	1410		in progress	USB	
9176	M12	15-8-2011	1700		257 1 1881 73...	CW	(Danix)
9176	M12	18-8-2011	1900	Thu	257 1	CW	(HFD)
9176	M12	22-8-2011	1800	Mon	257 1	CW	(HFD)
9176.0	M12	29-8-2011	1900	Mon	257 1 7044 97 54205 ... 14089 000 000	CW	(Spec)
9184	M12	16-8-2011	0420		511 1 ... 259...	CW	(Danix)
9184	M12	16-8-2011	0420	Tue	511 1	CW	(HFD)
9222	M21	19-8-2011	0714		Russian Air Defence =99?1114?9?????	CW	(PPA)
9234	XPA	16-8-2011	0500		028 1 00862 00485 13399 LG55336	MFSK-20	(Danix)
9234	XPA	16-8-2011	0500		828 1 00862 00485 13399 ... 55336 +++++	MFSK-20	(FN)
9250	S28	4-8-2011	0930		buzzer harmonic	USB	(Daunt)
9256.0	S06s	8-8-2011	1600	Mon	176 940 5 05548 43742 83166 59065 33459 940 5 00000	USB	(Spec)
9256.0	S06s	15-8-2011	1600	Mon	176 290 5 37225 45929 87757 52760 45564 290 5 00000	USB	(Spec)
9260	S06s	12-8-2011	0610		196 00000	AM	(Danix)
9264	M12	11-8-2011	1720		5F message ending TTT TTT	CW	(PPA)
9267	XPA	9-8-2011	1440		992 000 08465 00001 00000 10140 +++++	MFSK-20	(FN)
9267	XPA	14-8-2011	1440		992 1 04992 00149 61321 ... 06563 +++++	MFSK-20	(FN)
9267	XPA	23-8-2011	1440	Tue	msg	MFSK-20/20Bd	(HFD)
9370	XPA2	18-8-2011	1930	Thu	msg	MFSK-15/20Bd	(HFD)
9387	XPA	16-8-2011	1810		173 1 00762 00133 63564 LG52332	MFSK-20	(Danix)
9387	XPA	16-8-2011	1810	Tue	msg	MFSK-20/20Bd	(HFD)
9610	E11a	30-8-2011	1045		463/38	USB	(ATCManch)
9610	E11	16-8-2011	1045		469/00	USB	(HS2)
9610.0	E11	16-8-2011	1045	Tue	469/00	USB	(Spec)
9610.0	E11	17-8-2011	1045	Wed	469/00	USB	(Spec)
9655	S06s	12-8-2011	0940		516 498 7 41914	AM	(FN)
9725	V13	3-8-2011	0507		New Star in progress	USB	(AB-HK)
9725	V13	4-8-2011	0505		New Star in progress	USB	(AB-HK)
9725	V13	5-8-2011	0516		New Star in progress	USB	(AB-HK)
9725	V13	6-8-2011	0605		New Star in progress	USB	(AB-HK)
9725	V13	8-8-2011	0502		New Star in progress	USB	(AB-HK)
9725	V13	9-8-2011	0601		New Star in progress	USB	(AB-HK)
9725	V13	11-8-2011	0615		New Star in progress	USB	(AB-HK)
9725	V13	12-8-2011	0504		New Star	USB	(AB-HK)
9725	V13	13-8-2011	0618		New Star	USB	(AB-HK)
9725	V13	22-8-2011	0522		New Star	USB	(AB-HK)
9725	V13	22-8-2011	0605		New Star	USB	(AB-HK)

frequency	enigma	date	UTC	day	remarks	mode	contributor
9725	V13	23-8-2011	0529		New Star in progress	USB	(AB-HK)
9725	V13	24-8-2011	0523		New Star in pogress	USB	(AB-HK)
9725	V13	25-8-2011	0500		New Star. Flute tune + coded messages	USB	(AB-HK)
9725	V13	27-8-2011	0612		New Star in progress	USB	(AB-HK)
9725	V13	29-8-2011	0522		News Star in progress	USB	(AB-HK)
9725	V13	29-8-2011	0600		News Star. Flute tune + coded messages	USB	(AB-HK)
9725	V13	30-8-2011	0508		New Star in progress	USB	(AB-HK)
9725	V13	31-8-2011	0516		New Star in progress	USB	(AB-HK)
9790	S06s	12-8-2011	0620		196 00000	AM	(Danix)
9967	XPA	9-8-2011	1420		992 000 08465 00001 00000 10140 +++++	MFSK-20	(FN)
9967	XPA	14-8-2011	1420		992 1 04992 00149 61321 ... 06563 +++++	MFSK-20	(FN)
9967	XPA	23-8-2011	1420	Tue	msg	MFSK-20/20Bd	(HFD)
10118.7	Psy	19-8-2011	1450		NATO Psy-Ops message to Libya	USB	(AB2)
10125	Psy	19-8-2011	1450		NATO Psy-Ops message to Libya	USB	(AB2)
10125	Psy	21-8-2011	1418		NATO Psy-Ops message to Libya	USB	(AB2)
10125	Psy	31-7-2011	1215		NATO Psy-Ops msg to Libyan Forces	USB	(ALF)
10125	Psy	7-8-2011	1107		Psy-Ops msg to Libya	USB	(MOR)
10125	Psy	18-8-2011	1100		NATO Psy-ops msgs to Libya	USB	(SP1)
10170	S06s	10-8-2011	1900		371 820 5 65022	AM	(FN)
10170.0	S06s	3-8-2011	1900	Wed	371 820 5 65022 45854 76496 58867 42841 820 5 00000	USB	(Spec)
10170.0	S06s	10-8-2011	1900	Wed	371 820 5 65022 45854 76496 58867 42841 820 5 00000	USB	(Spec)
10170.0	S06s	17-8-2011	1900	Wed	371 409 5 85555 53552 13444 65280 21966 409 5 00000	USB	(Spec)
10170.0	S06s	31-8-2011	1900	Wed	371 00000	USB	(Spec)
10199.5	M42	29-8-2011	1312		Russian Gov.	CROWD-36	(EW)
10210	E11	31-8-2011	0930		YL/ENG 270/00	USB	(ATCManch)
10210	E11	3-8-2011	0930		270/00	USB	(Daunt)
10210	E11	4-8-2011	0930		270/00	USB	(Daunt)
10210	E11	18-8-2011	0930	Thu	270/00	USB	(HFD)
10210.0	E11	17-8-2011	0930	Wed	270/00	USB	(Spec)
10210.0	E11	17-8-2011	0930	Wed	270/00	USB	(SWL1409)
10230	S06s	15-8-2011	1200		831 259 6 91827 65740 78129 35266 23230 00987	AM	(HS2)
10230.0	S06s	8-8-2011	1200	Mon	831 970 5 87646 34736 42728 21809 92365 970 5 00000	USB	(Spec)
10230.0	S06s	15-8-2011	1200	Mon	831 259 6 91827 65740 78129 35266 23230 00987 259 6 00000	USB	(Spec)
10230.0	S06s	15-8-2011	1200	Mon	831 259 6 91827	USB	(SWL1409)
10250	S06s	12-8-2011	0630		196 00000	AM	(Danix)
10290	S06s	12-8-2011	0930		516 498 7 41914	AM	(FN)
10290	S06s	12-8-2011	0930		516 498 7 41914 49024 47527 56426 55534 44434 11873	AM	(HS2)
10290	S06s	12-8-2011	0930		516 498 7 41914 49024 47527 56426 55534 44434 11873	AM	(HS2)
10375	MV30	7-8-2011	1500		so dien: 60 so dien: 60 so dien: 60 dk: tk tk tk so nhom: 42 so nhom: 42 so nhom: 42 aaaaaaaaaaaaaaaaaaaaaaa 12933 83561 04818 etc.	CW	(IB)
10375	MV30	25-8-2011	1500		AAAAAAAAAAAAAAAA SD 61 SD 61 SD 61 etc	CW	(Token)
10375	MV30	26-8-2011	1500		AAAAAAAAAAAAAAAA SD 61 SD 61 SD 61 etc	CW	(Token)
10375	MV30	27-8-2011	1500		AAAAAAAAAAAAAAAA SD 61 SD 61 SD 61 etc	CW	(Token)
10375	MV30	28-8-2011	1500		AAAAAAAAAAAAAAAA SD 61 SD 61 SD 61 etc	CW	(Token)
10375	MV30	30-8-2011	1500		AAAAAAAAAAAAAAAA SD 62 SD 62 SD 62 etc	CW	(Token)
10375	MV30	31-8-2011	1500		AAAAAAAAAAAAAAAA SD 62 SD 62 SD 62 etc	CW	(Token)

frequency	enigma	date	UTC	day	remarks	mode	contributor
10404	Psy	14-8-2011	1303		NATO Psy-Ops with the regular message in EE & AA.	USB	(CK)
10404	Psy	13-8-2011	1212		Psy-Ops messages in Arabic and English	USB	(ML4)
10404	Psy	21-8-2011	1258		NATO Psy-Ops messages to Libya	USB	(PAUS)
10415	S06s	12-8-2011	0610		934 205 6 46144....	AM	(HS2)
10415	V02a	12-8-2011	0610		934 205 6 46144....	AM	(HS2)
10475	M42	17-8-2011	0658		RQS: Russian Gov/Intel, Samara. QSX 10595 kHz	F1B 100/500	(PPA)
10595	M42	17-8-2011	0656		RKD48: Russian Gov/Intel,Moscow. QSX 10475 kHz	F1B 100/500	(PPA)
10640	M89	7-8-2011	2319		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //6840	CW	(JPL-HK)
10640	M89	28-8-2011	0020		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //6840	CW	(JPL-HK)
10640	M89	29-8-2011	0920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840	CW	(JPL-HK)
10640	M89	29-8-2011	0920		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840	CW	(JPL-HK)
10640	M89	29-8-2011	1220		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840	CW	(JPL-HK)
10640	M89	29-8-2011	1220		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840	CW	(JPL-HK)
10731	X06	22-8-2011	2054		Mazielka	AM	(MCO)
10752	E07	25-8-2011	2010		716/000	AM	(Daunt)
10752.0	E07	4-8-2011	2010	Thu	716 716 716 000	AM	(Spec)
10752.0	E07	11-8-2011	2010	Thu	716 1 481 79 49214 ... 67463 000	AM	(Spec)
10752.0	E07	18-8-2011	2010	Thu	716 1 481 79 49214 ... 67463 000 000	AM	(Spec)
10753	E07	18-8-2011	2010		716 1 481 79 49214 89538 75213 ... 38450 15018 67463 000 000	AM	(Danix)
10753	E07	18-8-2011	2010	Thu	716 1	AM	(HFD)
10779	M89	26-8-2011	1031		V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-AUS)
10779	M89	27-8-2011	0153		V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	M89	28-8-2011	0012		V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	M89	29-8-2011	0908		V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	M89	29-8-2011	0908		V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10787	XPA	16-8-2011	1750		173 1 00762 00133 63564 LG52332	MFSK-20	(Danix)
10787	XPA	16-8-2011	1750	Tue	msg	MFSK-20/20Bd	(HFD)
10800	E11	9-8-2011	1730		576/00	USB	(Danix)
10800	E11	19-8-2011	1730		576/00	USB	(Danix)
10834	XPA	16-8-2011	0520		028 1 00862 00485 13399 LG55336	MFSK-20	(Danix)
10871.8	MX	27-8-2011	1143		Beacon "P"	CW	(AB)
10871.9	MX	27-8-2011	1143		Beacon "S"	CW	(AB)
10872.1	MX	11-8-2911	1819		Beacon "A" Astrakhan	CW	(PPA)
10872.2	MX	27-8-2011	0950		Beacon "F"	CW	(AB-HK)
10872.2	MX	13-8-2011	1739		Beacon "F" Vladivostok	CW	(PPA)
10872.2	MX	18-8-2011	1848		Beacon "F"	CW	(PPA)
10872.3	MX	29-8-2011	1240		Beacon "K" Petropavlovsk	CW	(EW)
10872.4	MX	27-8-2011	0950		Beacon "M"	CW	(AB-HK)
10872.4	MX	29-8-2011	1240		Beacon "M" Magadan	CW	(EW)
10872.4	MX	18-8-2011	1849		Beacon "M"	CW	(PPA)
10958	E07	8-8-2011	1940		349 1 613 29 16664 39131	AM	(FN)
10958	E07	10-8-2011	1940		349 1 613 29 16664	AM	(FN)
10958.0	E07	10-8-2011	1940	Wed	349 1 613 29 16664 ... 31930 000 000	AM	(Spec)
10958.0	M12	8-8-2011	1340	Mon	991 1 630 157 45835 ... 54424 000	CW	(Spec)
10967	XPA	9-8-2011	1400		992 000 08465 00001 00000 10140 +++++	MFSK-20	(FN)
10967	XPA	14-8-2011	1400		992 1 04992 00149 61321 ... 06563 +++++	MFSK-20	(FN)

frequency	enigma	date	UTC	day	remarks	mode	contributor
10967	XPA	23-8-2011	1400	Tue	msg	MFSK-20/20Bd	(HFD)
11078	M42	22-8-2011	2050		Russian Diplo. Message on link 10042. Header starts with: 11166 10042	CROWD-36	(MCO)
11411	X06	22-8-2011	2101		Mazielka. QSY from 10731 kHz 10 mins earlier	AM	(MCO)
11435	S06s	10-8-2011	0530		153 874 6 20133 55091 85064 42524 91545 4250	AM	(HS2)
11435	S06s	10-8-2011	0530		153 874 6 20133 55091 85064 42524 91545 42504	AM	(HS2)
11523	V07	7-8-2011	0540		YL/SS, 845	USB	(Token)
11581	S11a	19-8-2011	1020	Fri	426/00 (526/00?)	USB	(HFD)
11581	S11a	16-8-2011	1020		426/00	USB	(HS2)
11581.0	S11a	2-8-2011	1020	Tue	426/00	USB	(Spec)
11581.0	S11a	16-8-2011	1020	Tue	426/00	USB	(Spec)
11581.0	S11a	30-8-2011	1020	Tue	426/00	USB	(Spec)
11581.0	S11a	16-8-2011	1020	Tue	426/00	USB	(SWL1409)
12088	E07	10-8-2011	1720		305 305 305 000	AM	(FN)
12088	E07	14-8-2011	1720		305 305 305 000] FN SUN	AM	(FN)
12088	E07	17-8-2011	1720	Wed	305 0	AM	(HFD)
12088	E07	28-8-2011	1720		305 000	AM	(MUK)
12088.0	E07	7-8-2011	1720	Sun	305 305 305 000	AM	(Spec)
12129	M51	4-8-2011	2248		5LGs with "BT nr 65 00:47:20 1983" message separator	CW	(MCO)
12155	S06s	11-8-2011	1200		425 986 7 25357	AM	(FN)
12155.0	S06s	4-8-2011	1200	Thu	425 986 7 25357 01898 73214 42277 76294 37536 55995 986 7 00	USB	(Spec)
12155.0	S06s	11-8-2011	1200	Thu	425 986 7 25357 01898 73214 42277 76294 37536 55995 986 7 00	USB	(Spec)
12164.0	M12	15-8-2011	1340	Mon	991 1 149 163 71821 ... 37824 000 000	CW	(Spec)
12164.0	M12	15-8-2011	1340	Mon	991 1 149 163 149 163 71821 ... 37824 000 000	CW	(SWL1409)
12165	S06s	8-8-2011	1210		"831"	USB	(Daunt)
12165	S06s	15-8-2011	1210		831 259 6 91827 65740 78129 35266 23230 00987	AM	(HS2)
12165.0	S06s	8-8-2011	1210	Mon	831 970 5 87646 34736 42728 21809 92365 970 5 00000	USB	(Spec)
12165.0	S06s	15-8-2011	1210	Mon	831 259 6 91827 65740 78129 35266 23230 00987 259 6 00000	USB	(Spec)
12165.0	S06s	15-8-2011	1210	Mon	831 259 6 91827	USB	(SWL1409)
12187	XPA	16-8-2011	1730		173 1 00762 00133 63564 LG52332	MFSK-20	(Danix)
12187	XPA	16-8-2011	1730	Tue	msg	USB	(HFD)
12192	X06b	10-8-2011	2030		Mazielka. Two tones	AM	(Danix)
12195	X06	22-8-2011	2105		Mazielka. Squence: 314265	AM	(Danix)
12215	X06	16-8-2011	1636		Mazielka. Sequence: 361245	AM	(HS2)
12850	E17z	11-8-2011	0810		674 853 5 99578	USB	(FN)
12850.0	E17z	11-8-2011	0810	Thu	674 Too Weak To Copy	USB	(Spec)
12924	E11	11-8-2011	0830		649/00	USB	(FN)
12924	E11	18-8-2011	0830	Thu	649/00	USB	(HFD)
12924	E11	11-8-2011	0830		649/00	USB	(HS2)
12924	E11	11-8-2011	0830		649/00	USB	(HS2)
12924.0	E11	4-8-2011	0830	Thu	649/00	USB	(Spec)
12935	S06s	16-8-2011	0810	Tue	352	AM	(HFD)
12935.0	S06s	16-8-2011	0810	Tue	352 470 6 20163 29076 57605 44562 52563 12076 470 6 00000	USB	(Spec)
12952	S06s	11-8-2011	0900		167 959 8 99228	AM	(FN)
12952	S06s	18-8-2011	0900	Thu	167-493/5=65351	AM	(HFD)
12952.0	S06s	4-8-2011	0900	Thu	167 950 8 99228 77544 04816 56447 51269 03176 58842 55499 95	USB	(Spec)
12952.0	S06s	11-8-2011	0900	Thu	167 950 8 99228 77544 04816 56447 51269 03176 58842 55499 95	USB	(Spec)

frequency	enigma	date	UTC	day	remarks	mode	contributor
12952.0	S06s	18-8-2011	0900	Thu	167 493 5 65351 23435 65646 29319 44564 493 5 00000	USB	(Spec)
13388	E07	10-8-2011	1700		305 305 305 000	AM	(FN)
13388	E07	17-8-2011	1700	Wed	305 0	AM	(HFD)
13388	E07	28-8-2011	1700		305 000	AM	(MUK)
13388.0	E07	7-8-2011	1700	Sun	305 305 305 000	AM	(Spec)
13401	X06	16-8-2011	0848		Mazielka. Sequence: 154263. In progress	AM	(HS2)
13401	X06	17-8-2011	0848		Mazielka. Sequence: 154263	AM	(HS2)
13423	V07	7-8-2011	0520		YL/SS, 845	USB	(Token)
13424	E11	12-8-2011	0545		348/00	USB	(HS2)
13424	E11	12-8-2011	0545		348/00	USB	(HS2)
13427	E11a	31-8-2011	0900		536/34 Attn 25638 21253 93969 62574 66718…05494 48597 out	USB	(ATCManch)
13427	E11	8-8-2011	0900		534/00 (very strong and clear	AM	(Daunt)
13427	E11	10-8-2011	0900		534/00	USB	(HS2)
13427	E11	10-8-2011	0900		534/00	USB	(HS2)
13427	E11	15-8-2011	0900		534/00	USB	(HS2)
13427.0	E11	15-8-2011	0900	Mon	534/00	USB	(Spec)
13458	E07	8-8-2011	1920		349 1 613 29 16664 39131	AM	(FN)
13458	E07	10-8-2011	1920		349 1 613 29 16664	AM	(FN)
13458	E07	17-8-2011	1920	Wed	349 0	AM	(HFD)
13458.0	E07	10-8-2011	1920	Wed	349 1 613 29 16664 ... 31930 000 000	AM	(Spec)
13458.0	E07	17-8-2011	1920	Wed	349 349 349 000	AM	(Spec)
13458.0	E07	29-8-2011	1920	Mon	349 349 349 000	AM	(Spec)
13458.0	E07	31-8-2011	1920	Wed	349 349 349 000	AM	(Spec)
13458.0	M12	8-8-2011	1320	Mon	991 1 630 157 45835 ... 54424 000	CW	(Spec)
13510	X06	23-8-2011	1008		Mazielka. Sequence: 612534	AM	(Danix)
13510	X06	20-8-2011	0650		Mazielka. Sequence: 256134	AM	(GN2)
13527.7	MX	25-7-2011	1343		Beacon "D" Sevastopol	CW	(tING)
13528	MX	27-8-2011	1012		Beacon "C"	CW	(AB)
13528	MX	25-7-2011	1341		Beacon "C" Moscow	CW	(tING)
13528.1	MX	29-8-2011	1240		Beacon "A" Astrakhan	CW	(EW)
13528.2	MX	27-8-2011	0950		Beacon "F"	CW	(AB-HK)
13528.4	MX	27-8-2011	0950		Beacon "M"	CW	(AB-HK)
13528.4	MX	29-8-2011	1245		Beacon "M" Magadan	CW	(EW)
13565	S06s	10-8-2011	0910		167 959 8 99228	AM	(FN)
13565	S06s	18-8-2011	0910	Thu	167	AM	(HFD)
13565.0	S06s	4-8-2011	0910	Thu	167 950 8 99228 77544 04816 56447 51269 03176 58842 55499 95	USB	(Spec)
13565.0	S06s	11-8-2011	0910	Thu	167 950 8 99228 77544 04816 56447 51269 03176 58842 55499 95	USB	(Spec)
13565.0	S06s	18-8-2011	0910	Thu	167 493 5 65351 23435 65646 29319 44564 493 5 00000	USB	(Spec)
13930	E06	19-8-2011	0500	Fri	210	AM	(HFD)
13972.0	M12	15-8-2011	1320	Mon	991 1 149 163 71821 ... 37824 000 000	CW	(Spec)
13972.0	M12	15-8-2011	1320	Mon	991 1 149 163 149 163 71821 ... 37824 000 000	CW	(SWL1409)
14358	M42	29-7-2011	1301		Russian Gov/Intel. "QKBK QKTSI WKQ (07 9 MMM XV XV XVVVVV XVZ NI ZQI THEN RZQC" many times.	FSK 50/500	(GN2)
14373	S06s	16-8-2011	0800	Tue	352-470/6=20163	AM	(HFD)
14373.0	S06s	16-8-2011	0800	Tue	352 470 6 20163 29076 57605 44562 52563 12076 470 6 00000	USB	(Spec)
14377	X06	4-8-2011	0828		Mazielka. Sequence: 432516	AM	(HS2)
14377	X06	17-8-2011	0736		Mazielka. Sequence: 432516	AM	(HS2)
14378	E07	8-8-2011	1900		349 1 613 29 16664 39131	AM	(FN)

frequency	enigma	date	UTC	day	remarks	mode	contributor
14378	E07	10-8-2011	1900		349 1 613 29 16664	AM	(FN)
14378	E07	17-8-2011	1900	Wed	349 0	AM	(HFD)
14378.0	E07	10-8-2011	1900	Wed	349 1 613 29 16664 ... 31930 000 000	AM	(Spec)
14378.0	E07	17-8-2011	1900	Wed	349 349 349 000	AM	(Spec)
14378.0	E07	29-8-2011	1900	Mon	349 349 349 000	AM	(Spec)
14378.0	E07	31-8-2011	1900	Wed	349 349 349 000	AM	(Spec)
14384	M32	17-8-2011	0854		Russian military "IC9X QTC IC9X 2T8 31 17 1247 2T8 =584=" into 5F message	CW	(PPA)
14535	S06s	25-8-2011	1210		425 408 408 6 6 07306 14564 45993 11141 16156 408 408 6 00000	USB	(ATCManch)
14535	S06s	10-8-2011	1210		425 986 7 25357	AM	(FN)
14535.0	S06s	4-8-2011	1210	Thu	425 986 7 25357 01898 73214 42277 76294 37536 55995 986 7 00	USB	(Spec)
14535.0	S06s	11-8-2011	1210	Thu	425 986 7 25357 01898 73214 42277 76294 37536 55995 986 7 00	USB	(Spec)
14580	S06s	31-8-2011	1000		YL/RUS 724/00000	USB	(ATCManch)
14580	S06s	10-8-2011	1000		729 851 6 87649	AM	(FN)
14580.0	S06s	10-8-2011	1000	Wed	729 851 6 87649 81322 28607 16078 04475 58561 851 6 00000	USB	(Spec)
14580.0	S06s	17-8-2011	1000	Wed	729 480 5 59072 58615 16074 95054 75427 480 5 00000	USB	(Spec)
14580.0	S06s	24-8-2011	1000	Wed	729 480 5 59072 58615 16074 95054 75427 480 5 00000	USB	(Spec)
14580.0	S06s	31-8-2011	1000	Wed	729 00000	USB	(Spec)
14753	E11	9-8-2011	0710		633/00	AM	(Daunt)
14753	E11	12-8-2011	0710		633/00	USB	(HS2)
14753	E11	12-8-2011	0710		633/00	USB	(HS2)
14753	E11	16-8-2011	0710		633/00	USB	(HS2)
14823	V07	7-8-2011	0500		YL/SS, 845	USB	(Token)
14969.0	M12	8-8-2011	1300	Mon	991 1 630 157 45835 ... 54424 000	CW	(Spec)
14969.0	M12	15-8-2011	1300	Mon	991 1 149 163 71821 ... 37824 000 000	CW	(Spec)
15890	E06	4-8-2011	0700		Unreadable	AM	(Daunt)
15890	E11	3-8-2011	0900		534/00 - mostly clear, but with warbling tone audible	USB	(Daunt)
15890	E06	18-8-2011	0600	Thu	210-583/127=57830	AM	(HFD)
15980	S06	18-8-2011	0600		210 583 127 57830 25879 77588 etc	AM	(Danix)
16020	S06s	31-8-2011	1010		YL/RUS 724/00000	USB	(ATCManch)
16020	S06s	10-8-2011	1010		729 851 6 87649	AM	(FN)
16020.0	S06s	10-8-2011	1010	Wed	729 851 6 87649 81322 28607 16078 04475 58561 851 6 00000	USB	(Spec)
16020.0	S06s	17-8-2011	1010	Wed	729 480 5 59072 58615 16074 95054 75427 480 5 00000	USB	(Spec)
16020.0	S06s	24-8-2011	1010	Wed	729 480 5 59072 58615 16074 95054 75427 480 5 00000	USB	(Spec)
16020.0	S06s	31-8-2011	1009	Wed	729 00000	USB	(Spec)
16223	X06	10-8-2011	0739		Mazielka. Sequence: 164532	AM	(HS2)
16228	M32	26-8-2011	0705		Russian Mil: "xxx xxx lr43 lr43 00000 teh pro-werka 111= 1 2222 tehnichiska=E4 prowerka 999 k"	CW	(WP3)
16320	X06	19-8-2011	0632		Mazielka. Sequence: 241563	AM	(HS2)
16327	S06	25-8-2011	0841		in progress	AM	(EW)
16331.7	MX	27-8-2011	1012		Unid. Defective beacon D or P?	CW	(AB)
16331.8	MX	24-8-2011	1240		Beacon "P	CW	(ML3)
16331.9	MX	27-8-2011	1030		Beacon "S"	CW	(AB)
16331.9	MX	24-8-2011	1240		Beacon "D"	CW	(ML3)
16331.9	MX	25-8-2011	1130		Beacon "D"	CW	(ML3)

frequency	enigma	date	UTC	day	remarks	mode	contributor
16332	MX	27-8-2011	1012		Beacon "C"	CW	(AB)
16332	MX	29-8-2011	1245		Beacon "C" Moscow	CW	(EW)
16332.1	MX	24-8-2011	1240		Beacon "S"	CW	(ML3)
16332.1	MX	25-8-2011	1130		Accented' E (..-..)	CW	(ML3)
16332.1	MX	25-8-2011	1130		Beacon "S"	CW	(ML3)
16332.2	MX	27-8-2011	0950		Beacon "F"	CW	(AB-HK)
16332.2	MX	29-8-2011	1245		Beacon "F" Vladivostok	CW	(EW)
16332.2	MX	24-8-2011	1240		Beacon "C"	CW	(ML3)
16332.2	MX	25-8-2011	1130		Beacon "C"	CW	(ML3)
16335	E11	17-8-2011	1155	Wed	718/00	USB	(HFD)
16335	E11	18-8-2011	1155	Thu	718/00	USB	(HFD)
16335	E11	31-8-2011	1155	Wed	###/00 very weak	USB	(HFD)
16530	S11a	18-8-2011	1015	Thu	470/36=71555	USB	(HFD)
16530.0	S11a	8-8-2011	1015	Mon	475/00	USB	(Spec)
16530.0	S11a	15-8-2011	1015	Mon	475/message	USB	(Spec)
16530.0	S11a	18-8-2011	1015	Thu	475/message	USB	(Spec)
16530.0	S11a	15-8-2011	1015	Mon	470/36	USB	(SWL1409)
16530.0	S11a	18-8-2011	1015	Thu	470/36	USB	(SWL1409)
16720	M89	21-8-2011	0845		V K=D8WT K=D8WT K=D8WT de O9VE O9VE	CW	(WP3)
16780	E17z	11-8-2011	0800		674 853 5 99578	USB	(FN)
16780.0	E17z	11-8-2011	0800	Thu	674 Too Weak To Copy	USB	(Spec)
18490.5	M42	25-8-2011	0810		Russian Gov/Intel. Encrypted text.	CROWD-36	(EW)

Urim SIGINT site, Israel

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All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

Relevant mailing lists:

Utility DXers Forum (utility and spooks related logs)
To become a member go to http://groups.yahoo.com/group/udxf/ and follow the instructions.
Website: http://www.udxf.nl

Spooks (spooks related info and logs)
Go to the web interface http://mailman.qth.net/mailman/listinfo/spooks to subscribe. Fill in the form and follow the instructions that will be mailed to you.